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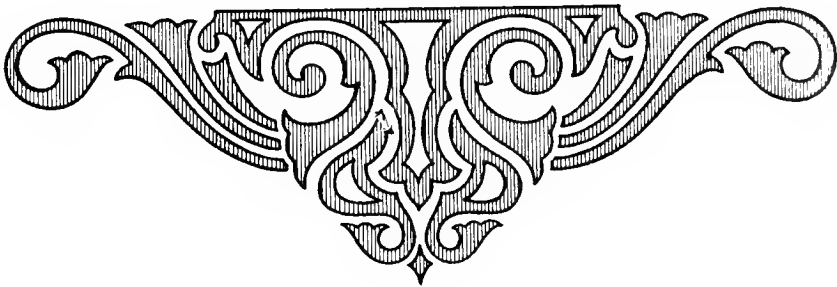
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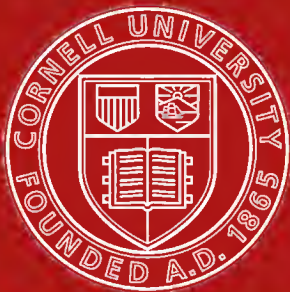
PACKING HOUSE ABATTOIR & SLAUGHTERING MACHINERY

No. 63



**THE BRECHT COMPANY
ST. LOUIS, MO., U. S. A.**

ESTABLISHED 1853



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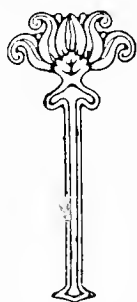
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CATALOGUE OF

Packing House, Abattoir and Slaughtering Machinery

No. 63



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THE BRECHT COMPANY

Established 1853

Main Offices and Factories, St. Louis, Mo., U. S. A.

BRANCHES:

New York, 174-176 Pearl St.

Hamburg, Germany

Buenos Aires, Argentine Republic

To the Meat Industry

SINCE 1853, we have constantly furnished tools, machinery and equipment for Packers, Slaughterers, Renderers, Sausage Makers, etc. In our various catalogues we illustrate and specify our line of machinery covering every usage for the meat industry in all edible and inedible departments. To our experience is largely due the evolution of handling products from a primitive conception to the present efficient, sanitary and modern method.

This catalogue describes the first stage in the meat industry, the Slaughtering properly of cattle, hogs and sheep with the latest machinery, equipment and accessories designed and built in our own factories and in use all over the world.

Send to us for our other catalogues listing machinery for the manufacture of Lard — Oleo — Cotton Oil, Sausage, Canned Meats, Edible and Inedible Rendering, Ice Machinery, Store Fixtures, etc.

THE BRECHT COMPANY

Established 1853

Special Notice

CATALOGUE No. 63

Prices and descriptions in this Catalogue No. 63 cancel all previous ones, and all discounts hereafter will be based on the prices herein given.

All prices quoted are F. O. B. St. Louis or Factory where goods are made. All repairs for machines, etc., not manufactured by us will be shipped from factory, excepting such repairs as we may carry in stock.

We do not guarantee repairs to fit, unless defective parts are sent to us prepaid, in order to exactly duplicate them. Always give pattern number of repair parts, when possible. Special attention given to *mail orders* and export trade. No charge for packing or carting, except on export orders.

Codes used: A. B. C. (5th Edition, either Spanish or English), "Staudt Hundius," "Liebers," "Leviathan" and Western Union. **Cable address: "BRECHT."**

We beg to thank our trade for past favors and solicit their future kind orders, which will always be executed in the fastest time possible. We aim to please, and therein lies our success, which speaks for itself, as we have been doing an increased business since 1853. Our long experience assures you satisfaction.

There is no machine used in the meat industry which we can not supply, nor any process with which we are not familiar. All correspondence will be carefully and promptly attended to. We solicit your patronage.

THE BRECHT COMPANY

Established 1853

Terms

All bills payable thirty days from date of shipment and subject to sight draft unless otherwise agreed upon. All prices are net unless otherwise agreed on.

Customers not wishing to be drawn on should notify us in writing and remit promptly.

Parties that have not done business with us before will save time by sending with their order a letter of reference from their bank or other reliable business house; failure to do this makes it necessary for us to ask for it, which means a delay in shipment.

No C. O. D. orders filled in the United States unless accompanied by one-third the amount of purchase as a guarantee of the carrying charges. Privilege of examination of the goods before paying will be granted for the asking. Can ship goods C. O. D. by freight or express. Foreign orders from parties unknown to us must be accompanied by sufficient funds to guarantee expense duties and carrying charges both ways. We attach sight draft to Bill of Lading for balance.

Always state in your order whether to ship by freight or express; in the absence of any instructions we will use our best judgment.

NOTE. We do not guarantee freight or express rates, or deliveries. After obtaining receipt from the transportation company for the goods delivered to them in good order, our responsibility ceases, and the goods are then at buyers' risk.

THE BRECHT COMPANY

Established 1853

ESTABLISHED 1853



MAIN OFFICES AND FACTORIES

St. Louis, Mo., U. S. A.



View of Dressing Beds in a Modern Abattoir



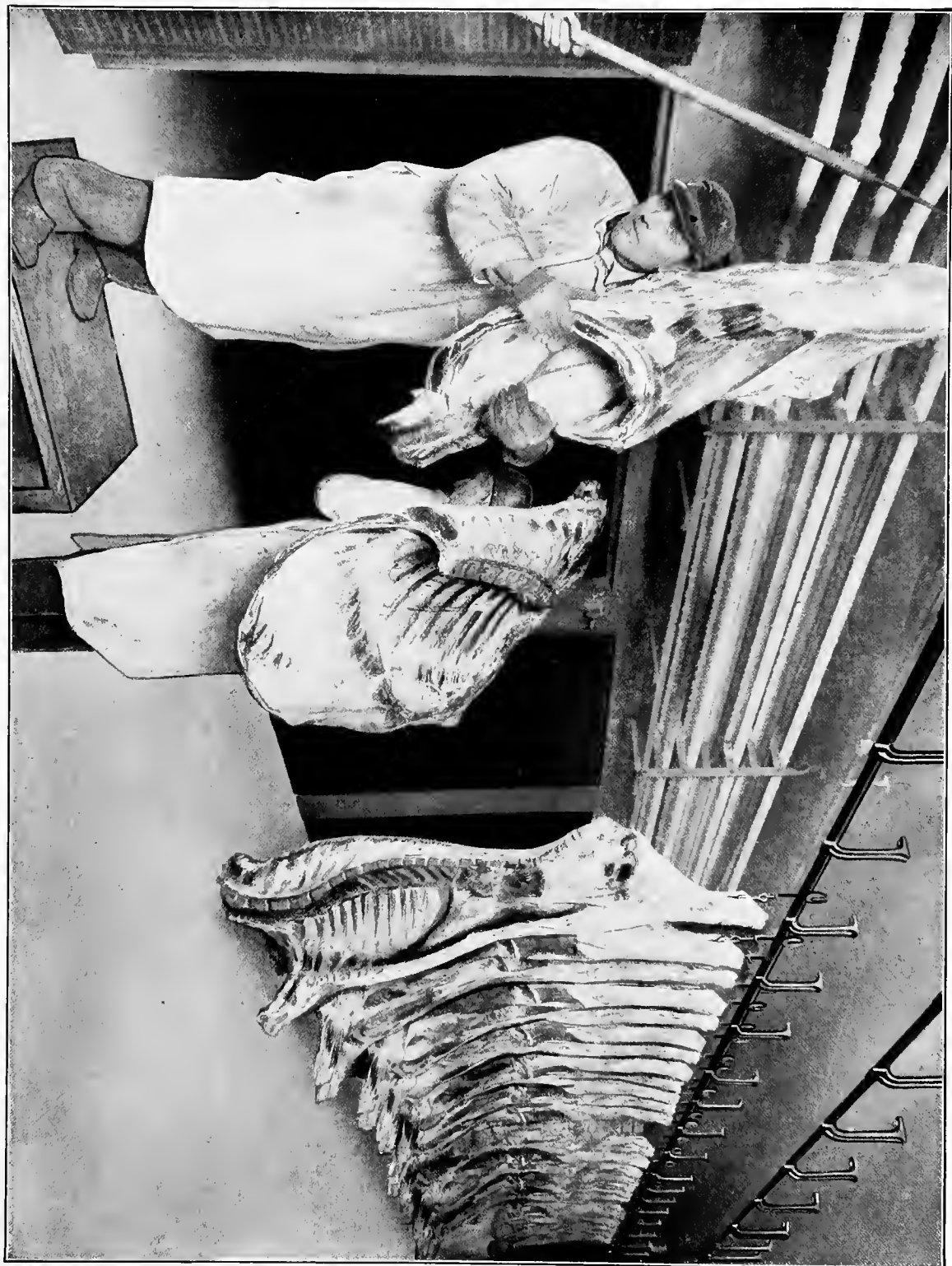
Final Washing and Dressing Prior to Refrigeration



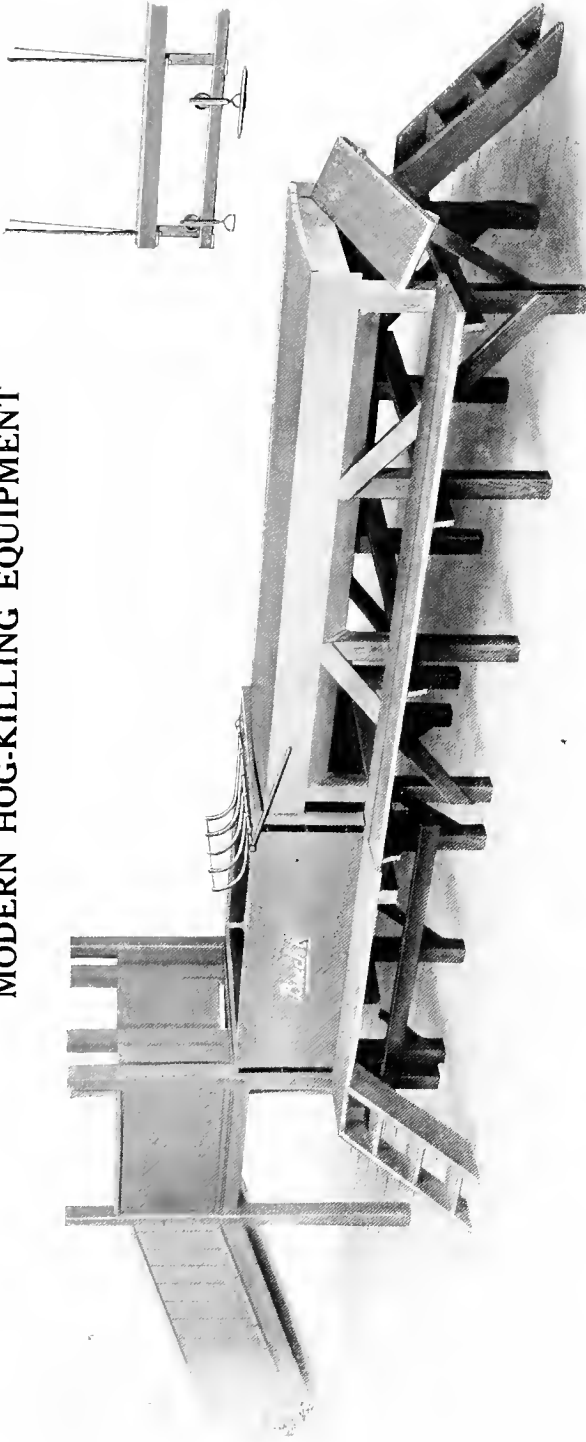
OVERHEAD TRACKING SYSTEM

Sides of Beef Hanging on Overhead Tracks in Modern Cooler

Quartering Beef on Refrigerated Platform and Loading into Refrigerated Cars



THE BRECHT
MODERN HOG-KILLING EQUIPMENT



The above is an illustration of the equipment necessary for the killing and scraping of hogs, where power is not available or where the daily killing is not of sufficient amount to justify the use of power apparatus.

The outfit consists of the

- Sticking Pen, with Blood Gutter and Lifting Gate.
- Scalding Tub, with Hand Throw-out.
- Scraping Bench, with Foot Boards and Apron.

We usually build these of the following dimensions:

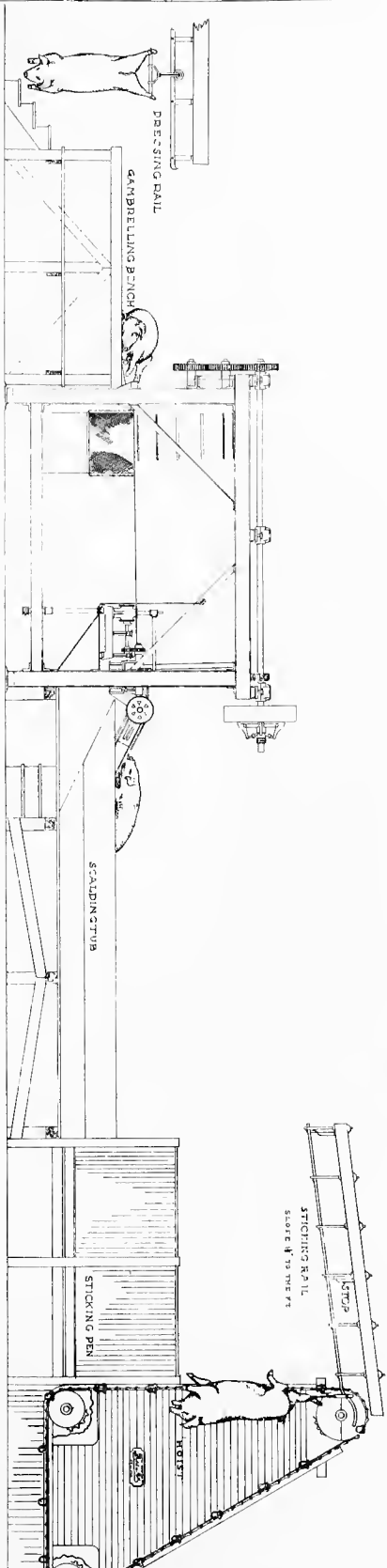
Sticking Pen.....	5 ft. 6 in. by 5 ft. 6 in.
Scalding Tub.....	5 ft. 6 in. by 4 ft. 6 in. by 2 ft. 6 in. deep.
Scraping Bench.....	5 ft. 0 in. by 8 ft. 0 in.

The Scalding Tub is made of the best cypress tank stock, of sufficient thickness to insure rigidity. All the joints are splined and leaded, and bolts are run vertically through the ends and sides; also horizontally through the bottom. The sides and ends and bottom are fastened together by means of lag screws and are re-enforced by one-half inch rods, running horizontally through the sides, with a half by three-inch plate under the nuts. The Tub also has a perforated steam pipe in the bottom. The Throw-out is of wrought iron, made good and strong and with a lever on each side.

The Scraping Bench is usually built of yellow pine, excepting the top, which is tongued and grooved cypress, made convex, with an opening along both sides.

The approximate weight of this outfit is 2,400 pounds.

HOG KILLING LAYOUT



CONSISTING OF

CATCH PEN, HOG HOIST, STICKING PEN, BLEEDING RAIL, SCALDING TUB, DE-HAIRING AND
POLISHING MACHINE, GAMBELLING BENCH AND DRESSING RAIL

THE BRECHT IMPROVED HOG HOIST

Made left or right hand and any desired height. The hogs are landed on the rail within four inches from top of the hoist and the shackle engages the rail with a sliding motion. Notice the long length of the base and the easy grade in ascending to the rail.

STANDARD SIZES.

Height over all

12'	14'	16'
-----	-----	-----

Height to Sticking Rail

11'6"	13'6"	15'6"
-------	-------	-------

Size Pulleys

24"x4"	24"x4"	24"x4"
--------	--------	--------

Speed Pulleys

50 RPM	50 RPM	50 RPM
--------	--------	--------

Domestic Weight

3000 lbs.	3500 lbs.	4000 lbs.
-----------	-----------	-----------

Export Weight

3300 lbs.	3900 lbs.	4500 lbs.
-----------	-----------	-----------

Displacement

150 cu. ft.	180 cu. ft.	220 cu. ft.
-------------	-------------	-------------

Horsepower

3-5	3-5	3-5
-----	-----	-----

Price

\$390.00	\$400.00	\$415.00
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Code Word

Apuado	Apucaranna	Apuesta
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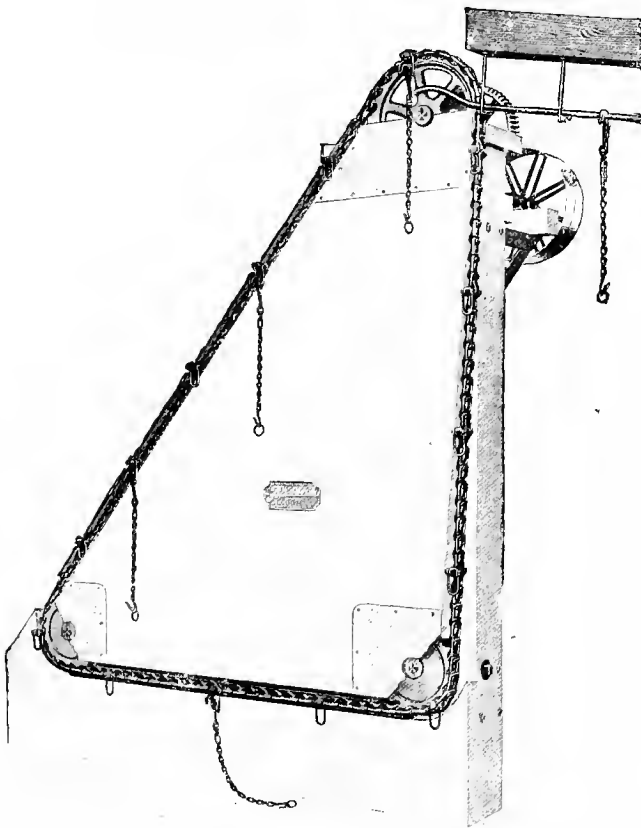
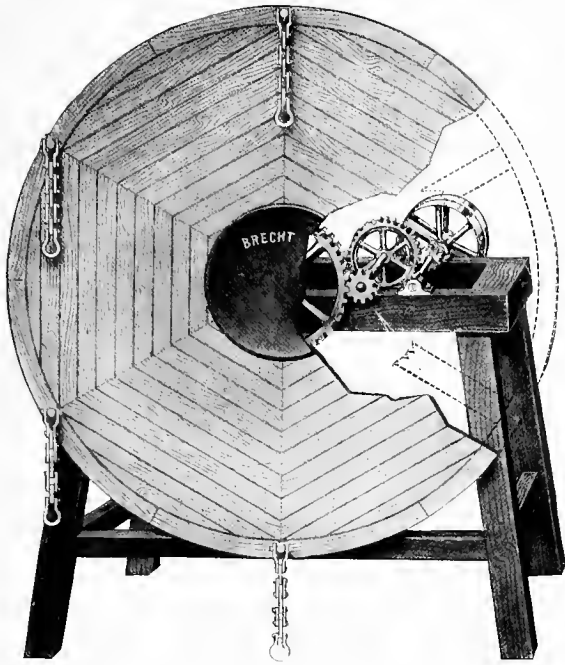


Fig. 319.

Illustration shows right hand delivery

Can be furnished either equipped with tight and loose pulleys or with a direct motor drive, the motor being supported on the frame of the hoist.

Write for prices on motor connected hoist.



THE BRECHT SINGLE WHEEL HOG HOIST

This single hoist is designed for packers who prefer a wheel hoist to a chain hoist as shown on page 10. Wheel can be made 10, 12 or 14 feet in diameter. Prices and specification upon request.

THE BRECHT SCALDING TUBS USED WITH HOG SCRAPERS OF THE SAME NUMBERS



No.	Size of Tub L. W. D.	Length of Lip	Dom. Weight in Lbs.	Exp. Weight in Lbs.	Displace- ment in cu. ft. Knocked down	Price	Code Word.
1	10'x4'6"x3'	4'	1750	1950	40	\$175.00	Apuleia
2	12'x4'6"x3'	4'	1950	2200	50	195.00	Apuleius
3	14'x4'6"x3'	4'	2150	2450	60	215.00	Apuleyo
4	16'x4'6"x3'	4'	2375	2700	70	235.00	Apulgaba
5	20'x4'6"x3'	4'	2800	3100	85	280.00	Apulgabais

These tubs are made of the best clear seasoned cypress, 3" thick, dressed to 2½". The ends are dadoed into the sides and are made perfectly tight. These joints are all leaded. The end and side boards are clamped by long bolts and flat iron braces. Each tub is provided with a lip four feet long to receive the conveyor of the hog scraper. The sizes given are standard for the different size hog scrapers, but we can make any size wanted.

THE BRECHT
HOG SCALDERS



Fig. 440.

CAST IRON—EXTRA HEAVY, TO SET IN BRICK.

Code Word.

85-gallon; inside dimensions, 58 inches long, 26 inches wide, 18 inches deep. Weight, 300 lbs.

Price.....\$25.00

Apulgamos

150-gallon; inside dimensions, 64 inches long, 30 inches wide, 24 inches deep. Weight 600 lbs.

Price.....37.00

Apulgando

This scalding tub is far superior and more convenient than the old-style round caldrons, the shape enabling the operator to turn or handle the hog with ease.

A double door and 14x30 grates and rests should be ordered with this scalding tub, and are extra.

Price of double door, \$6.50. Code word, Anisobrye. Price of grates, \$6.00. Code word, Anisoleme.



Fig. 441.

HEAVY SHEET IRON

These tubs are made of heavy sheet iron, with heavy cast iron ends and angle-iron frame, and are mounted on legs which can be bolted to the floor. The water is heated by a perforated pipe extending the entire length of the bottom, which heats quickly and evenly. The tubs are furnished with a valve for letting out the water.

For one hog; 60x30x24 inches; shipping weight, 400 lbs.....\$35.00

Code Word.

Apulgar

For two hogs; 60x48x24 inches; shipping weight, 640 lbs.....45.00

Apulgarian

Arms and levers for throwing out hog; shipping weight, 70 lbs. (extra).....20.00

Apulgaran

We make scalding tubs of wood of any size desired.

THE BRECHT NEW AUTOMATIC STOP AND CONTINUOUS HOG THROW-OUT

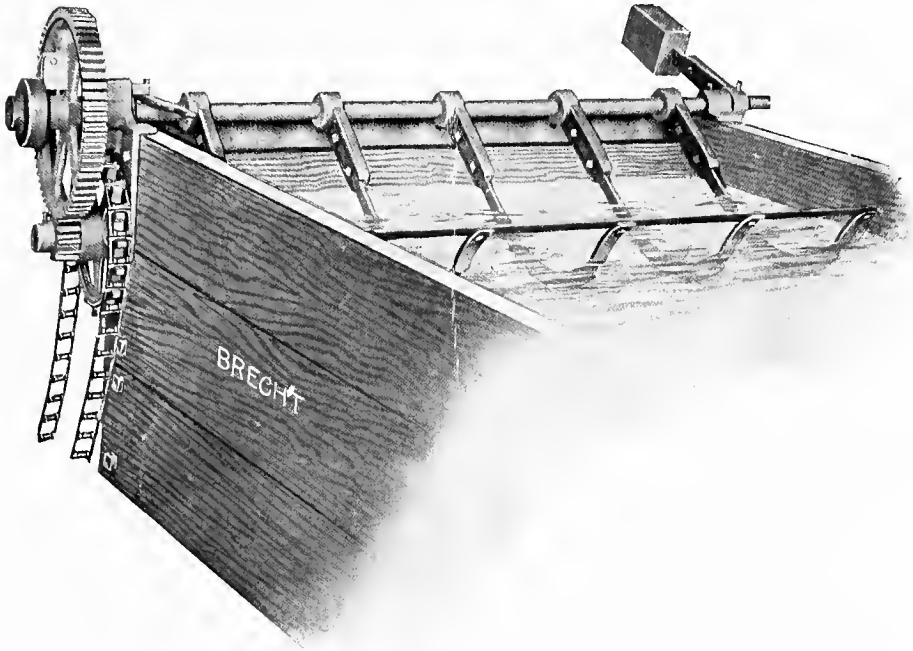


Fig. 322.

FOR PACKING HOUSES THAT CLEAN HOGS BY THE OLD METHOD.

We here illustrate our New Automatic Power Throw-Out for throwing hogs from the scalding tub to the scraping bench. This machine is really an Automatic Stop Throw-Out, but by setting a lever it can be put in continuous motion. The entire machine is made in a substantial manner, and is capable of handling the largest hog. A splendid feature of the machine is that power can be transmitted from beneath and there is no overhead shafting and link belts to interfere with the operators. Ordinarily, scalding tubs are 5 feet wide, but we can fit any size by simply having the shaft longer or shorter and placing the proper number of arms on it. Machine is furnished complete ready to fasten to scalders. Twelve feet of link belt is furnished with machine.

DOMESTIC WEIGHT, 500 LBS.

EXPORT WEIGHT, 700 LBS.

DISPLACEMENT, 15 CU. FT.

PRICE, \$90.00.

CODE WORD, APULICOS.

Note—Gear must always be on the side of tub as shown in illustration.

**WE MAKE SCALDING TUBS OF ALL SIZES TO SUIT YOUR REQUIREMENTS.
EITHER OF WOOD OR STEEL.**

ST. LOUIS CRESCENT HOG SCRAPER, DEHAIRER AND POLISHER

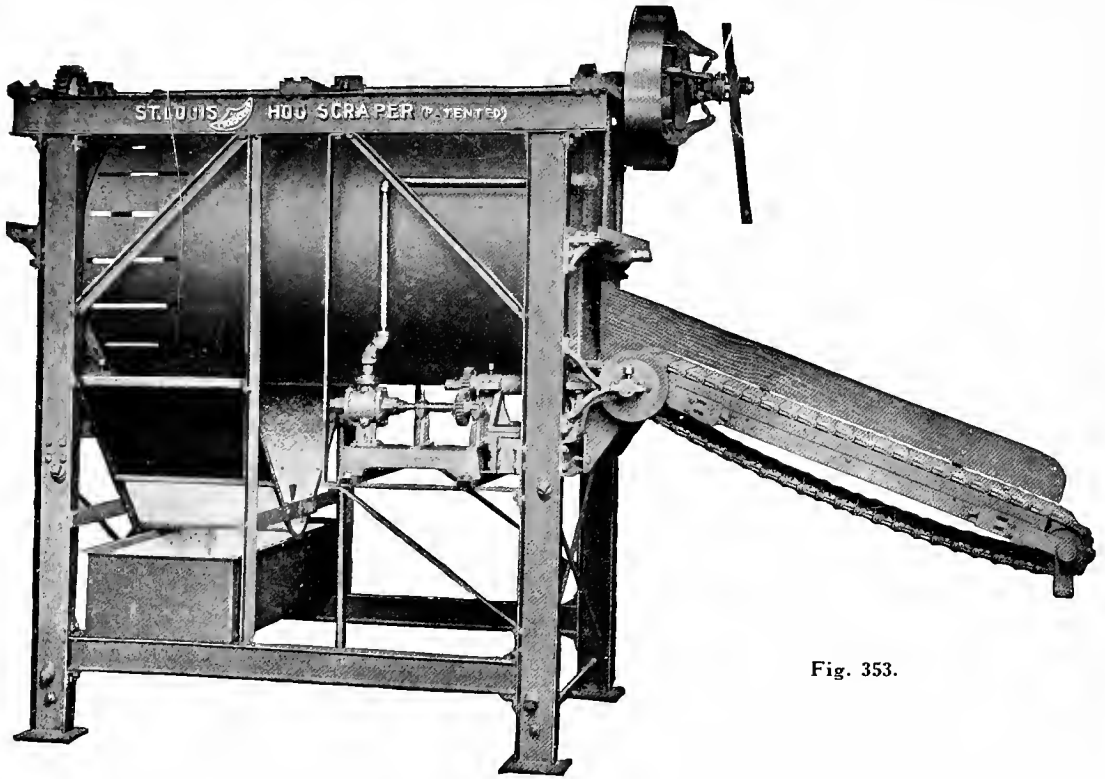


Fig. 353.

It is a conceded fact that a hog scraper of the cylinder type, in which the hogs are cleaned by passing them under a single beater shaft, is not only the best, but the simplest method of cleaning them and massaging their skins. This is our machine exactly. A single cylinder, equipped with a single beater shaft on which are placed short, single, rubber beaters, fastened to the shaft in such a way that by loosening one cap screw these beaters, which are shod with scraping members on both sides, can be reversed. This, you will readily see, doubles their life and efficiency. This machine is strong, rigid, complete and entirely self-contained. The machine is built to produce three different speeds on the beater shaft, depending on the season and the condition of the hog hair.

The use of a beater machine, by massaging out the scurf and removing the hair by the roots, vastly improves the appearance of your product, making it uniform, appetizing and sanitary. Every part of the hog is exposed to the action of the beaters, which in the Brecht Machine expel all excretions from the interior of the hog; they not only clean the body, but the head, feet and tail are ready for the market with practically no further work.

The hogs are delivered into the machine without any hooking, doing away with this unnecessary labor and eliminating possibility of contamination; all important inspection considerations. The simplicity of the machine brings the cost of maintenance down to a minimum.

We make the machine in five standard sizes, ranging in capacities from 75 to 100 hogs per hour to 200 to 300 hogs per hour.

ST. LOUIS CRESCENT HOG SCRAPER, DEHAIRER AND POLISHER

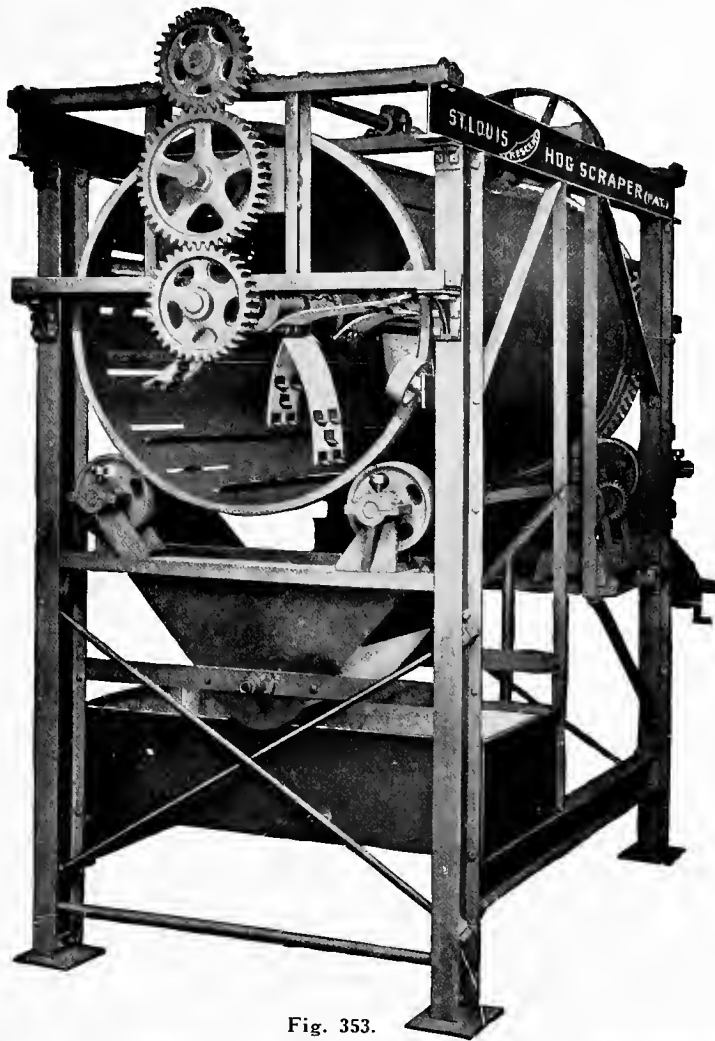


Fig. 353.

No.	1	2	3	4	5
Size of Cylinder.....	4'Dx7'L	4'Dx8'L	4'6"Dx10'L	4'6"Dx12'L	4'6"Dx16'L
Cap. Hogs per Hour	75-100	100-125	125-150	150-200	200-300
Floor Space.....	7'6"x5'6"	8'6"x5'6"	10'8"x6'4"	12'8"x6'4"	16'8"x6'4"
Height Over All.....	11'2"	11'2"	12'2"	12'2"	12'2"
Clutch Pulley, Size.....	30"Dx6"F	30"Dx6"F	36"Dx8"F	36"Dx8"F	36"Dx8"F
Clutch Pulley, Speed	153 RPM.	153 RPM.	150 RPM.	150 RPM.	150 RPM.
Horse Power.....	12	15	20	25	30
Domestic Weight.....	7500 Lbs.	8500 Lbs.	10500 Lbs.	11700 Lbs.	13000 Lbs.
Export Weight.....	8800 Lbs.	10200 Lbs.	12500 Lbs.	14000 Lbs.	16000 Lbs.
Displacement.....	350 cu. ft.	425 cu. ft.	475 cu. ft.	540 cu. ft.	600 cu. ft.
Price.....	\$2000.00	\$2200.00	\$3000.00	\$3500.00	\$4500.00
Code Word.....	Apulotiche	Apulotilo	Apulum	Apunalabas	Apunalando

Standard conveyor, 6'6" long., or made special to suit scalding tub.

Floor space given does not include conveyor, but is the outside dimensions of the frame.

Height given indicates distance from floor to top of pulley.

We also make a duplex machine; that is, we place two cylinders in a double frame. You can then run one side or both sides, according to the number of hogs to be killed daily. This practically doubles the capacity per hour.

THE BRECHT CONVEYOR TYPE HEADING MACHINE

The most economical method of handling slaughtered hogs as they come from our scraping and dehairing machine.

This continuous heading bench is substantially made, the frame being made of angle steel, strongly braced, the moving top of 2"x3½"x4' hard maple flights, carried by two heavy, malleable chains. The revolving shafts are large and rigid with ample bearing surfaces to withstand long usage. The foot boards are yellow pine, 18' long by 36" wide.

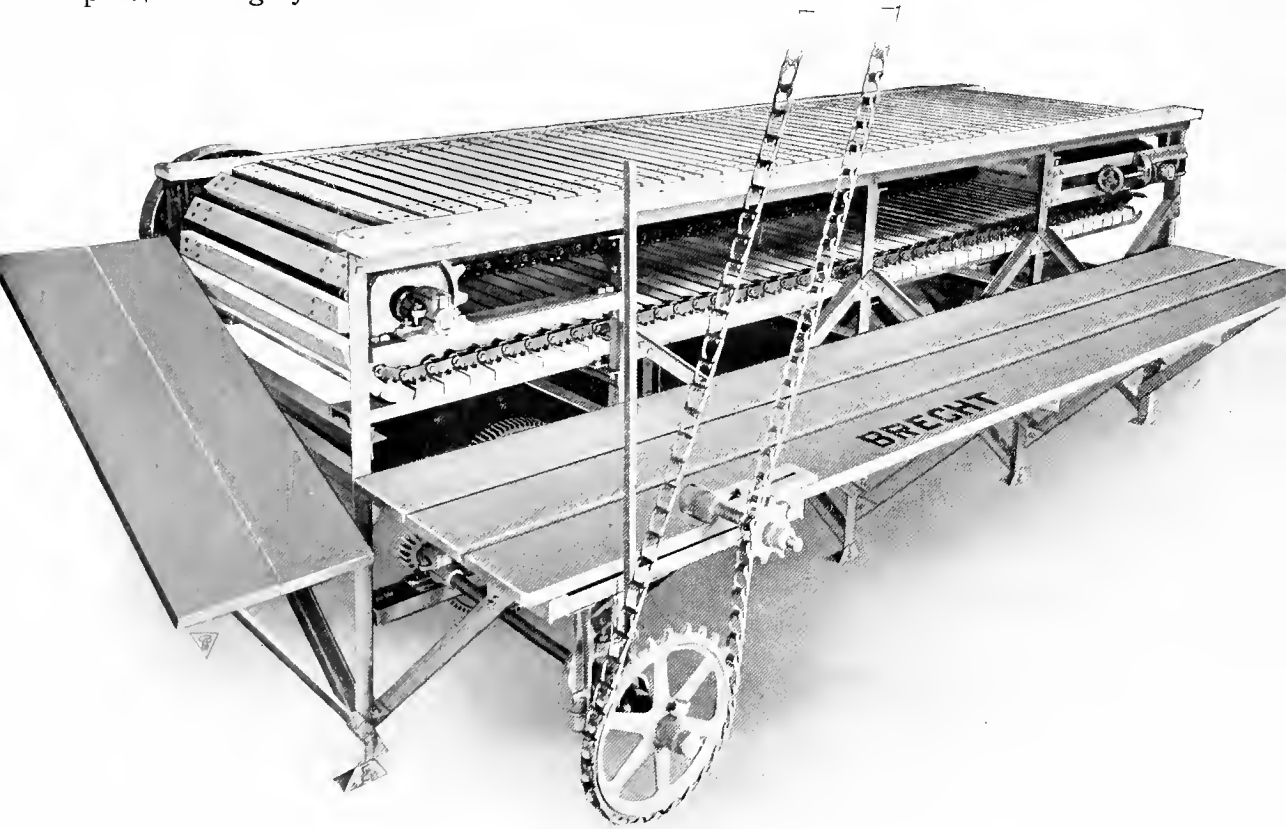


Fig. 318.

STANDARD DIMENSIONS.

Length	.....	15 feet
Width	.....	5 feet
Height	.....	to suit
Floor Space, over all	.....	10x20 feet
Domestic Weight	.....	6200 lbs.
Export Weight	.....	8000 lbs.
Displacement	.....	250 cu. ft.
Speed, about	.....	12 feet per minute
Price	.....	\$1000.00
Code Word	.....	Apunalare

THE BRECHT OVERHEAD CONVEYOR

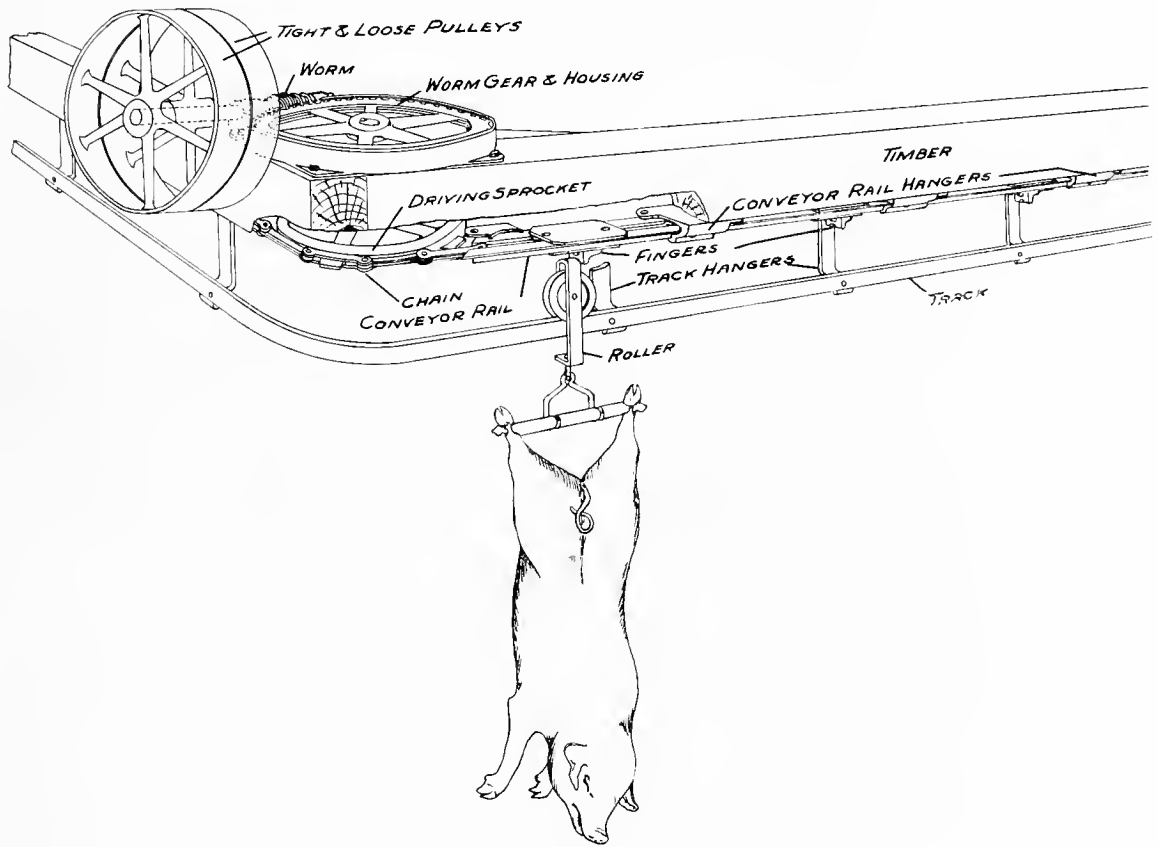


Fig. 446

We manufacture beef and hog conveyors, both of the overhead or side finger style. The illustration above shows our standard overhead finger type of conveyor with worm gear drive.

Send us sketch of your killing floor and let us lay out a conveyor for you.

We also make the lower finger system and can furnish blue prints showing either style to parties interested.

**THE BRECHT
PATENTED AUTOMATIC KNOCK-DOWN PEN
FOR HAND POWER.
(Portable)**

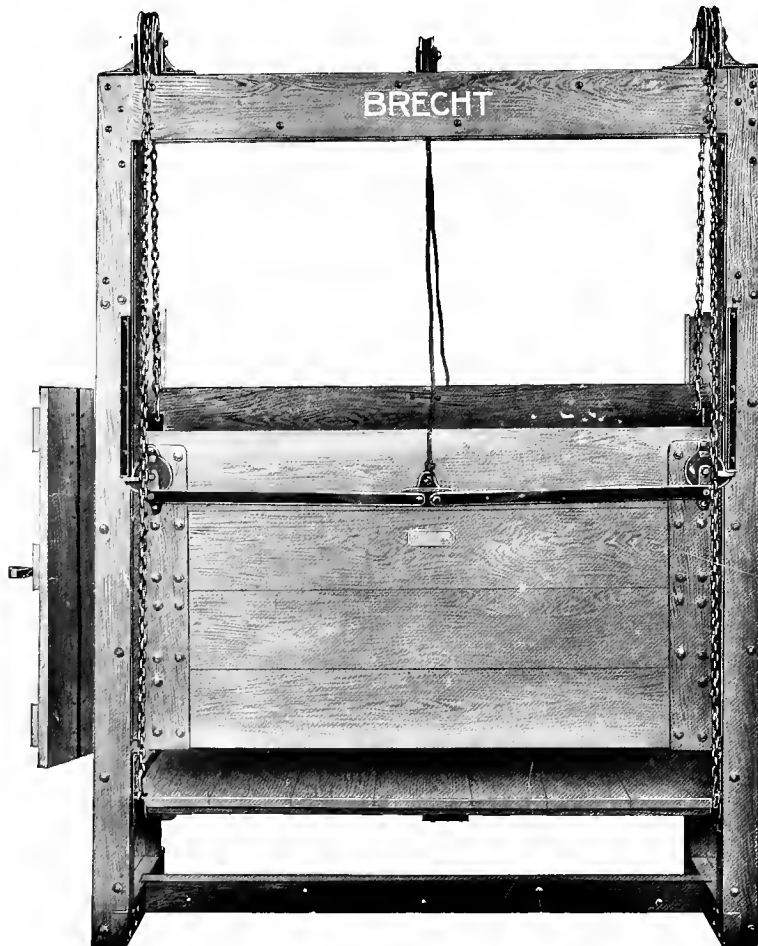


Fig. 325.

Closed Ready to Receive Animal.

Is built of select, well-seasoned oak, heavily ironed, and is as near indestructible as wood, iron and good workmanship can make it. Will withstand the severest test.

There is nothing to get out of order; no springs or small working parts to give way. Its action is automatic, the animal is admitted to the pen, hit with a killing hammer, and as it falls the operator pulls the trigger rope, which puts the pen in operation. The cattle's weight raises the gate and the floor tilts to an incline, discharging the animal onto the dressing bed. By its weight the gate closes down and draws the pen floor back to its original position, and the pen is ready for the next animal.

The pen is constructed so it can be used both right and left. It is a great improvement over the slow windlass, rope pulley and ring manner of killing, and does away with the danger—besides, one man can do it faster and easier than two or three men can the old way.

See next page for dimensions, etc.

THE BRECHT PATENTED AUTOMATIC KNOCK-DOWN PEN FOR HAND POWER (Portable)

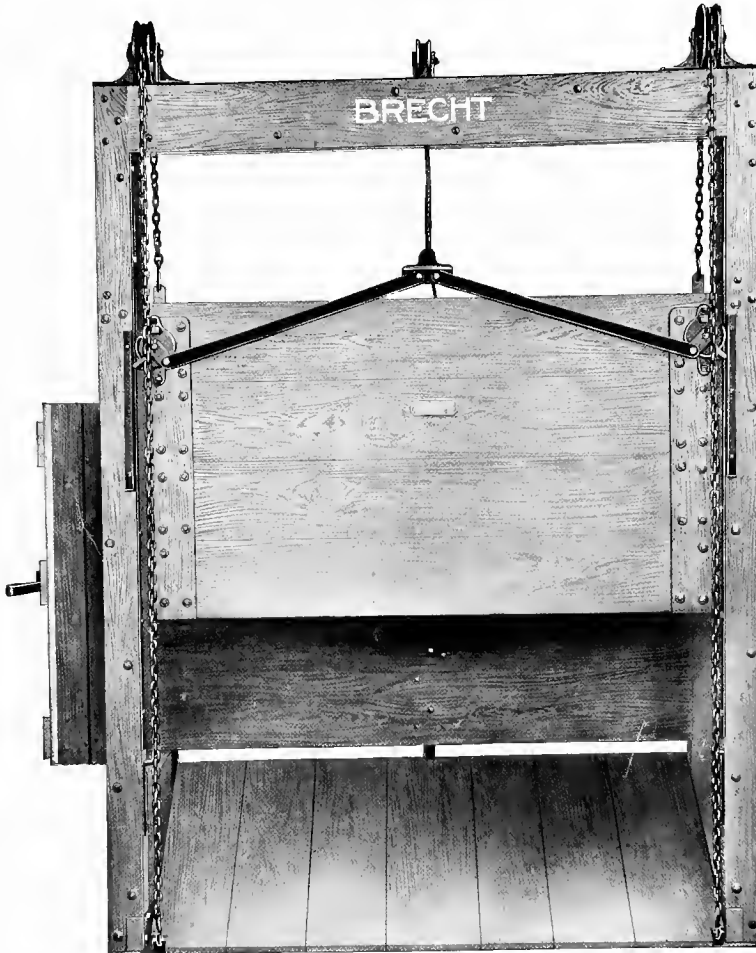


Fig. 325.

Showing Manner of Discharging Animal Onto Dressing Bed.

These pens are shipped knocked down, but can be easily put together, nothing more than a monkey-wrench being needed with which to do the work. They are portable and exceedingly easy of operation.

Height over all.....	11'9"
Width.....	4'0"
Length.....	8'6"
Domestic Weight.....	2500 lbs.
Export Weight.....	2800 lbs.
Displacement.....	155 cu. ft.
Price.....	\$245.00
Code Word.....	Apunalaron

THE BRECHT
IMPROVED SLAUGHTER HOUSE HOISTING
APPARATUS

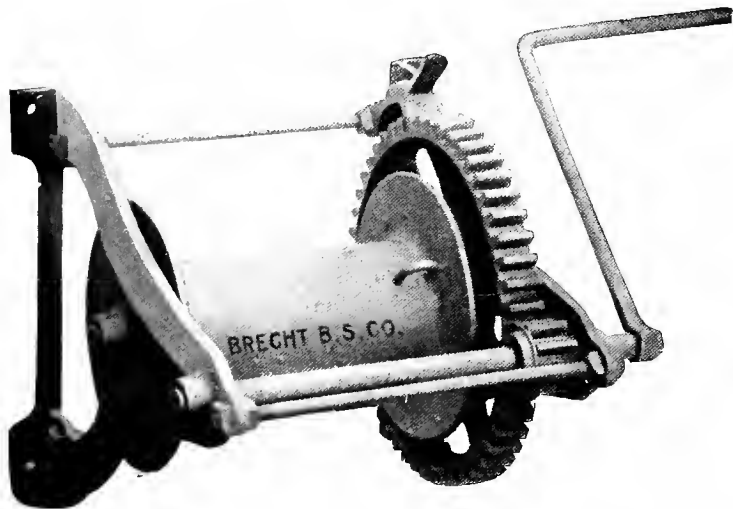


Fig. 427.
THE BRECHT WINDLASS.

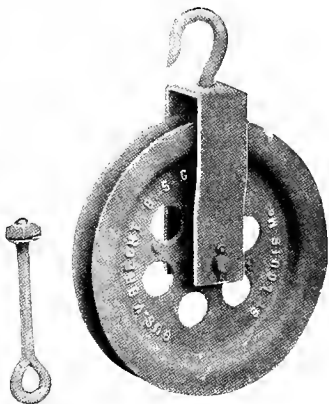


Fig. 428.
ROPE PULLEY.

THE BRECHT WINDLASS.

This hoisting machine is stronger and far superior to any other make. It can be bolted to the wall without extra woodwork, and can be changed from right to left position. Handle will not knock against wall in turning. It has a rope drum five inches in diameter, and wrought iron shaft in center. It has full power to raise any carcass.

Weight, 100 lbs. Displacement, 5 cu. ft.Price, \$12.00
Code Word. Apunchaba

ROPE PULLEY.

This rope pulley is intended to be used in connection with our iron windlass, and is fastened to the ceiling. It is 14 inches in diameter, very strong and will not cut the rope. Eye bolt six inches long, to hang pulley on, sent with each one.

Weight, 38 lbs. Displacement, 5 cu. ft.Price, \$4.00
Code Word. Apunchamos

This windlass is entirely new, far superior to the old style, easier and less expensive to install. The heaviest beef can be handled without any trouble. For \$20 we furnish The Brecht Complete Hoisting Apparatus, which includes a heavy iron windlass, extra heavy rope pulley with eye-bolt, as illustrated above, and 25 feet of 1-inch manila rope with hook spliced on end to receive beef tree. If any track is wanted, it must be ordered extra, the price of which is 50 cents per running foot, including hangers, bolts and screws, all ready to put up, and we will bend it to any desired shape, if sketch is furnished.

If iron tracks and rollers are used it is necessary to have an iron beef tree in order to hoist beef and hang in the track rollers. The iron beef tree will cost extra, and is made to fit track 4 to 4½ feet apart, which will spread the beef properly for splitting; the length of tracks should be ordered according to the room in the slaughter house.

If wooden runs are used the wood beef tree will answer, but this should be mentioned in order to get the right shaped hook spliced on rope.

REPAIRS.

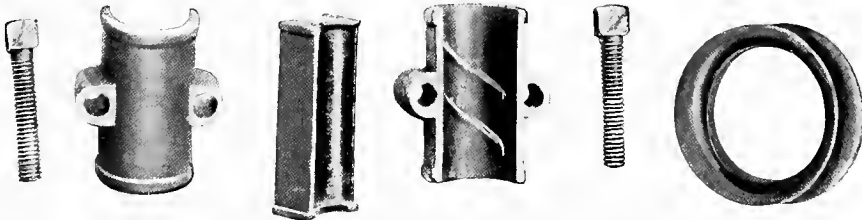
	Price	Code Word.
Pattern No. W50—End frames, each	\$2.25	Apunchando
Pattern No. W51—Drum	5.25	Apunchar
Pattern No. W52—Gear	3.00	Apuncharon
Pattern No. W53—Pinion	.75	Apunchases
Pattern No. W53—Ratchet hook	.35	Apuncheis
Crank	1.25	Apuncha

BULL ROPES AND RINGS



30 feet long, 1¼-inch West India Manila rope, with rope clamp and ring. (See illustration below.)
 Weight, 14 lbs. Price, \$5.00. Code Word. Apuntaba

ROPE CLAMPS AND RINGS.



Used for Splicing Ends of Bull Rope Together.
 (See above illustration.)

PRICES FOR ROPE CLAMPS.

	Price	Code Word.
No. 2—For ¾ to 7⁄8-inch rope.....	\$0.45	Apuntabais
No. 3—For 1 to 1½-inch rope.....	.60	Apuntacion
No. 4—For 1¼ to 1¾-inch rope.....	.70	Apuntalaba
No. 5—For 1½-inch rope.....	.85	Apuntalar

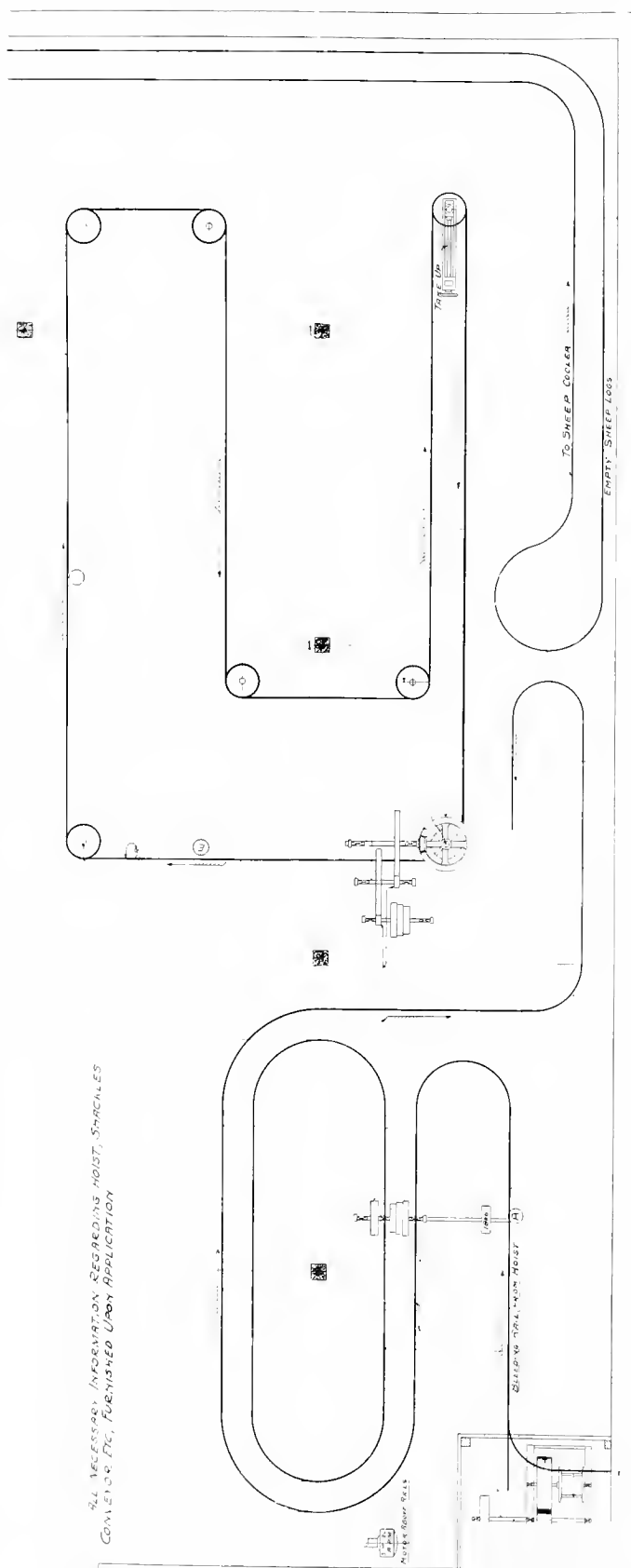
Rope Rings, 35 cents Extra.

BULL RINGS.



FOR POST OR FLOOR.

	Price	Code Word.
Post ring, 9 inches long, 3 inches diameter.....	\$1.00	Apuntaleis
Floor ring, 15 inches long, 5 inches diameter.....	1.25	Apuntando



THE BRECHT SHEEP KILLING AND DRESSING FLOOR

THE BRECHT
IMPROVED ENDLESS ROPE HOIST

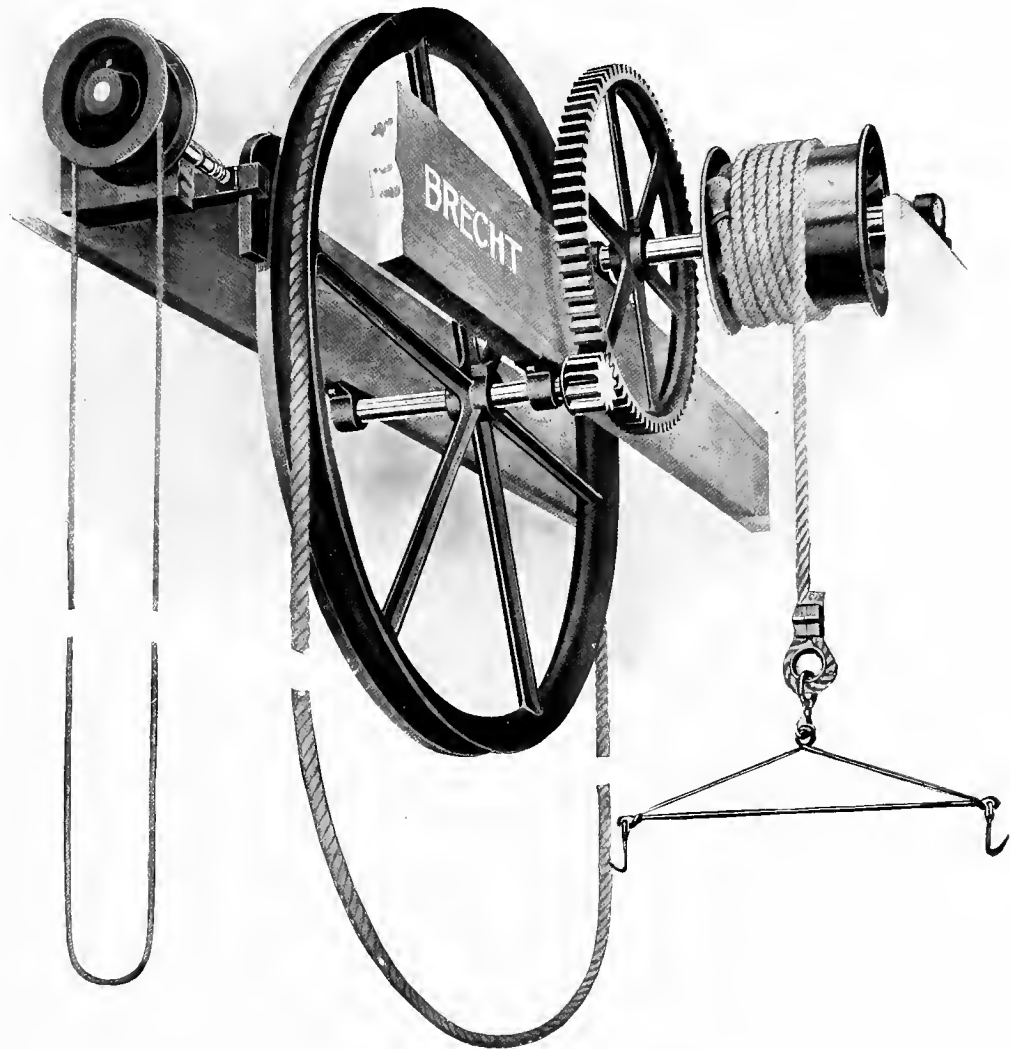


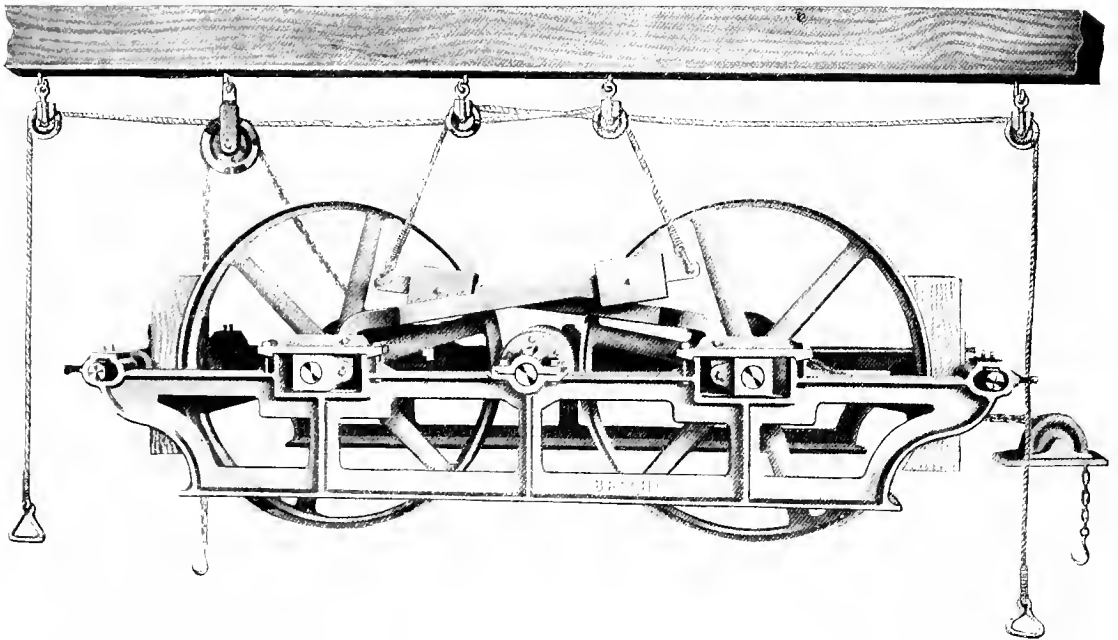
Fig. 303.

The Brecht Improved Endless Rope Hoist, a powerful and rapid hoist for the slaughter house. Especially adapted to hoisting the cattle to the bleeding rail; also used by many throughout the entire process of killing and dressing, from the time the animal is knocked until ready for refrigeration. One man can easily hoist the heaviest cattle. A load can be left at any point by the application of the friction shoe brake, which is quick and positive. Endless rope on sheave, endless rope on brake drum and sufficient rope for hoisting drum furnished with each hoist. In ordering or making inquiry always state height of beams where machinery will be placed, and distance between beams and ceiling or rafters. It is best to have all bearings on top of beams, though where head room is an object the sheave shaft may be hung beneath the beams, as shown in illustration.

Domestic Weight.....	655 lbs.
Export Weight.....	750 lbs.
Displacement.....	30 cu. ft.
Price.....	\$75.00
Code Word.....	Apuntar

Price does not include Beef Tree.

THE BRECHT HIGH FRAME FRICTION HOIST



This high frame hoist, which is made either single or double, is practically the same as the low frame hoist, and is used for the same purposes. It is often preferred because it can be erected without putting up any superstructure. Dimensions, weights and prices of the double hoist are given on page 25 and of the single hoist on page 26.

THE BRECHT IMPROVED FRICTION HOISTS

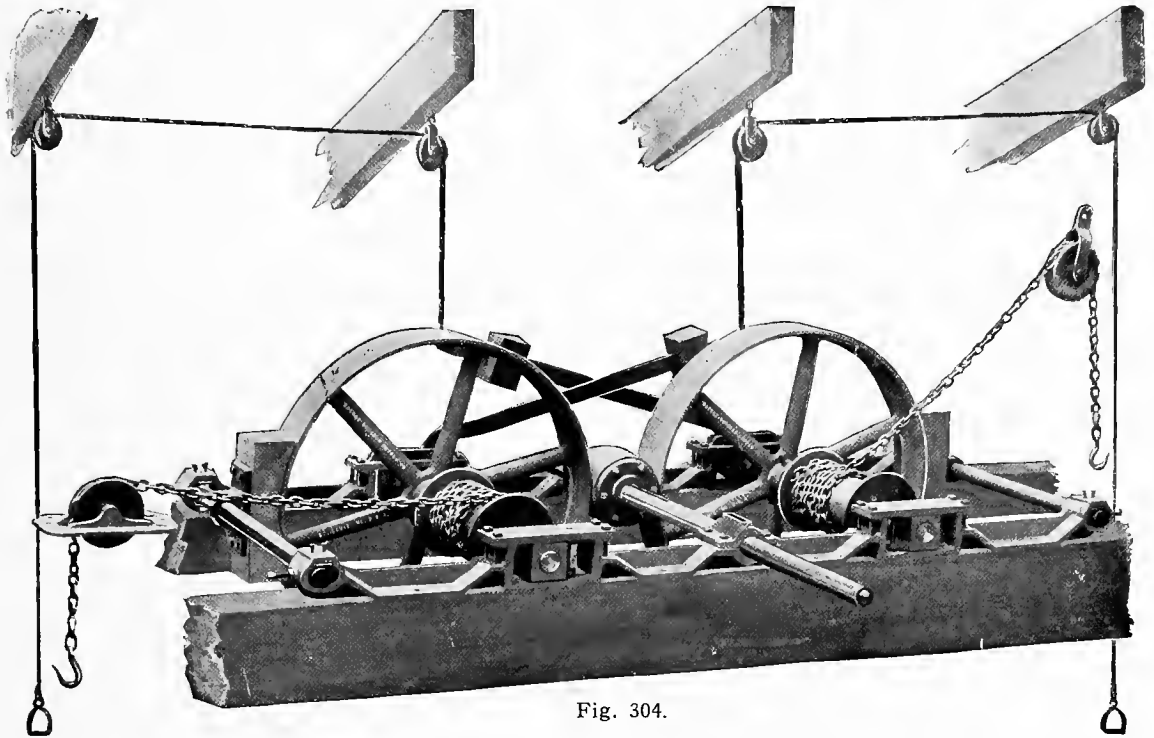


Fig. 304.

A strong, well-built hoist, which will handle heavy loads quickly and positively. This is a time and labor saving hoist, and no plant, no matter how small should be without one; either double or single. One end of this double hoist is generally used to raise cattle to the bleeding rail, while the other end raises them to the dressing rails.

The hoist comes complete as shown in the illustration, except that the main drive shaft is not included. The friction drum is bored for $2\frac{1}{8}$ inch bore unless otherwise ordered.

Style of Hoist	Size Pulleys	Size Friction Drum	Export Weight Lbs.	Domes. Weight Lbs.	Displacement.	Speed of Shaft	Price	Code Word
No. 1 Low Frame	48"x8"	11"x8"	2750	2500	44	200 RPM.	\$240.00	Apuntarian
No. 1 High Frame	48"x8"	11"x8"	3300	3000	50	200 RPM.	\$325.00	Apunteis
No. 4 Geared Low Frame	26"x5"	10"x5"	1500	1250	45	225 RPM.	\$215.00	Apunto

THE BRECHT FRICTION HOISTS

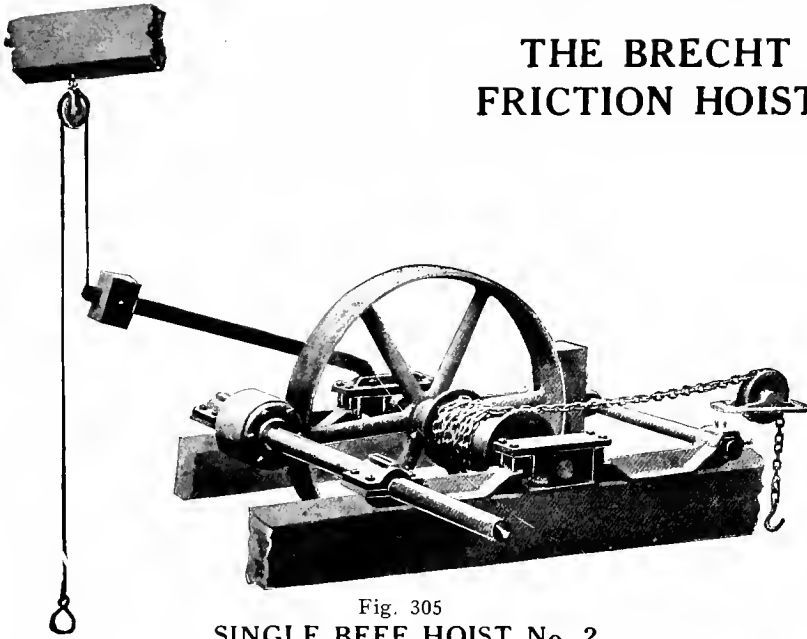


Fig. 305

SINGLE BEEF HOIST No. 2

Style of Hoist	Size of Pulley	Size of Friction Drum	Export Weight Lbs.
No. 2 Low Frame	48"x8"	11"x8"	1500
No. 2 High Frame	48"x8"	11"x8"	1800

Dom. W't Lbs.	Dis- placement	Speed of Shaft	Price	Code Word
1300	30 cu.ft.	200 r.p.m.	\$190.00	Apuradora
1600	35 cu.ft.	200 r.p.m.	\$210.00	Apuramos

This hoist is of the same construction as the double hoist No. 1. It is used for hoisting cattle, hogs or any kind of heavy lifting. Furnished complete as shown in illustration, except main drive shaft for friction pulley.

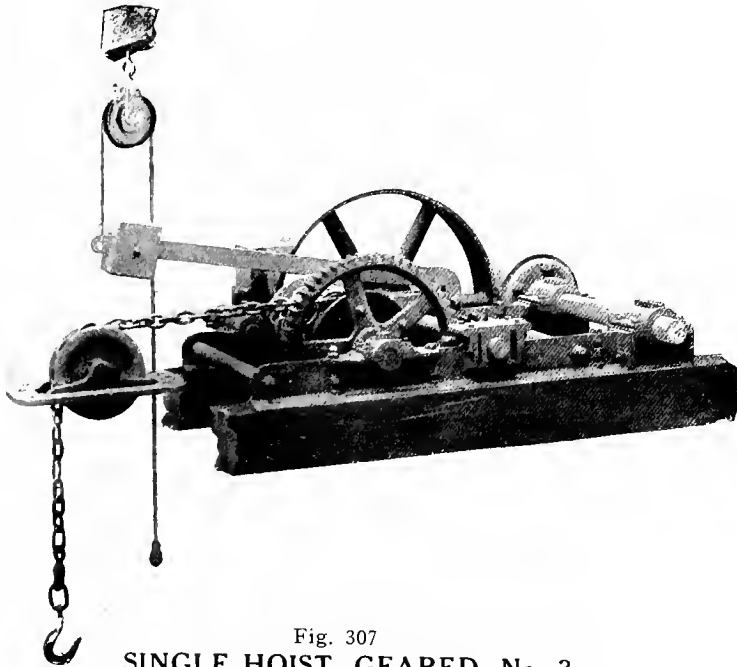


Fig. 307

SINGLE HOIST, GEARED, No. 3

New Pattern

Style of Hoist	Size of Pulley	Size of Drum	Export Weight Lbs.
No. 3 Geared	26"x5"	10"x5"	830

Dom. W't Lbs.	Dis- placement	Speed of Shaft	Price	Code Word
650	23 cu.ft.	225 r.p.m.	\$110.00	Apurativas

This geared hoist is used especially on dressing beds and for raising calves, sheep, hogs or other light loads. Furnished complete as shown except the main drive shaft, which is 2 7-16" diameter.

DOUBLE GEARED HOIST LISTED ON PRECEDING PAGE.

THE BRECHT IMPROVED BEEF DROPPER

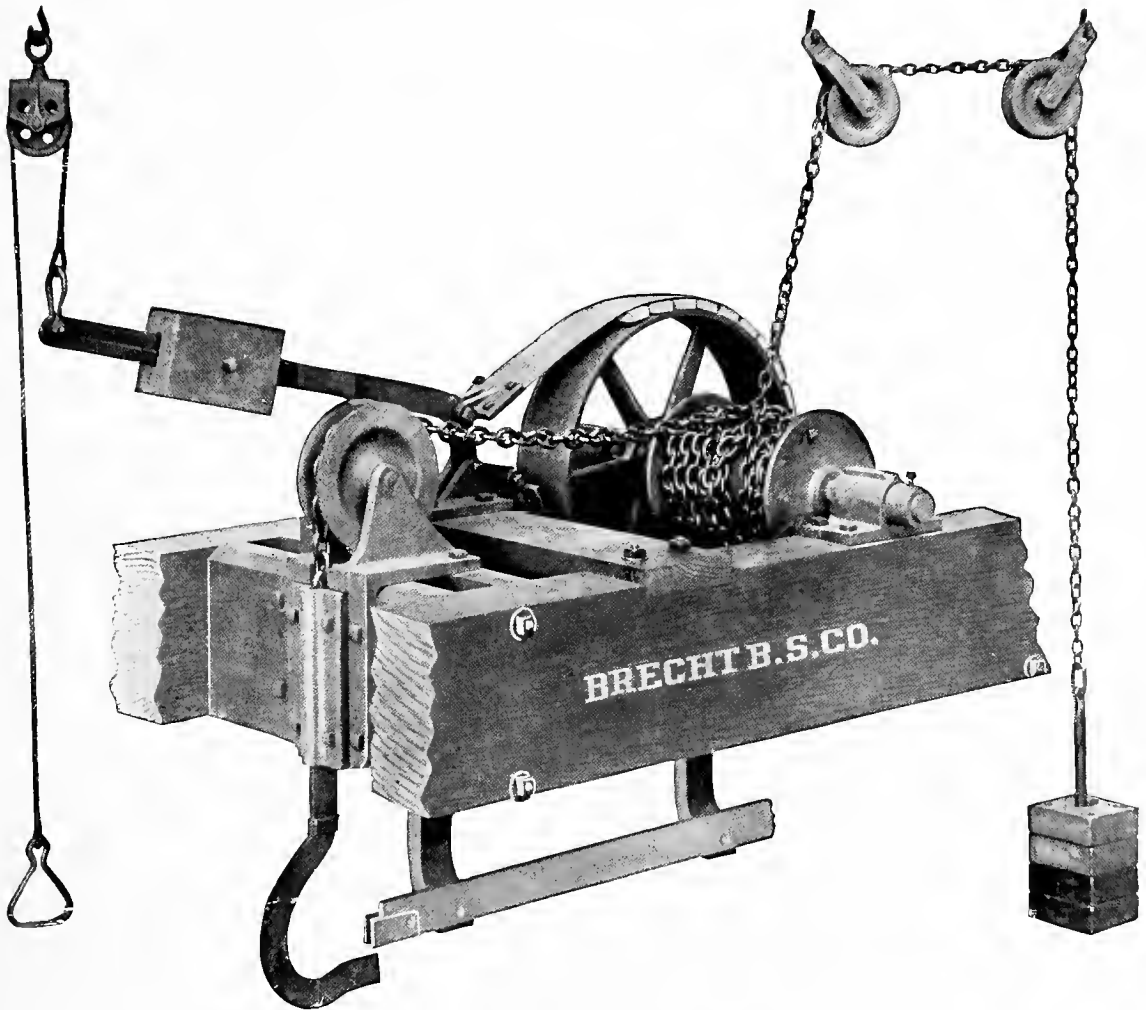


Fig. 302

A strong, rigid, well-made dropper, used for dropping cattle from the bleeding rail to the dressing floor. Dropper comes complete as shown in illustration, with counter weights, chains, sheaves, etc., ready to erect and connect to bleeding rail. The section of track shown is not included with the dropper, but the hook which receives the rollers from the track, together with the sleeve, is included. This hook automatically returns to position after the beef is landed on the dressing floor.

Export weight 765 lbs.

Price. \$98.00

Domestic Weight 650 lbs.

Code word Apurativo

Displacement..... 14 cu. ft.

**AUTOMATIC DEVICE FOR DROPPING BEEF CARCASSES FROM
THE BLEEDING RAIL TO THE FLOOR**

This device is used in connection with our friction hoist. It is automatic inasmuch as the dropper hook is so regulated with chain attachments which are connected to the brake bar that it will stop at the proper height to meet the bleeding rail. The roller is then run into the hook and by releasing the hoist brake, the carcass is dropped to the dressing floor. After the carcass is on the floor, the roller hook is returned to the bleeding rail quickly, ready for the next operation.

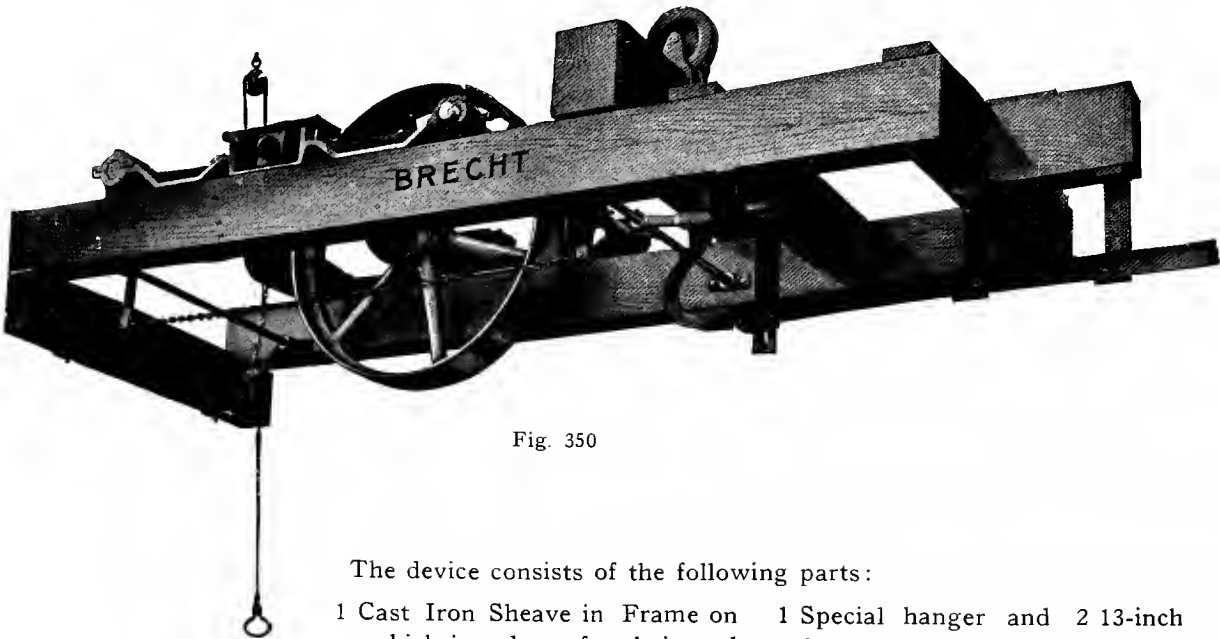


Fig. 350

The device consists of the following parts:

- | | |
|----------------------------------------------------------------------|-----------------------------------------|
| 1 Cast Iron Sheave in Frame on which is a sleeve for chain and hook. | 1 Special hanger and 2 13-inch hangers. |
| 1 Hook to hold bleeding roller. | 4 Operating Levers. |
| 1 Piece of hinged track, 3x1/2 inches, 48 inches long. | 2 Cross Bars. |
| | 2 1/4-inch chains to connect levers. |

Domestic weight	270 lbs.	Displacement.....	3 cu. ft.
Export weight	310 lbs.	Price.....	\$55.00
Code word	Apurement		

Any mechanic can put up this device.

AUTOMATIC DEVICE FOR LANDING BLEEDING ROLLER ON OVERHEAD TRACK

This automatic device is used in connection with a friction hoist and will positively land the bleeding roller on which the carcass is hanging directly on the bleeding rail. It is arranged so that as soon as the bleeding roller gets to the proper height, the band wheel is automatically pulled away from the friction wheel and the roller drops back on to the track. This attachment does away entirely with the man who formerly did this work.

The portion of the rail where the bleeding roller is resting, as shown in the illustration, is provided with a weighted, hinged arrangement so that when the carcass is hoisted, this portion of the rail is automatically thrown out of position, allowing the bleeding roller to pass. As soon as the roller passes the rail, it (the hinged rail) automatically returns to the proper position, so that the roller in descending will engage it. The device is very simple and any mechanic can attach it to your hoist.

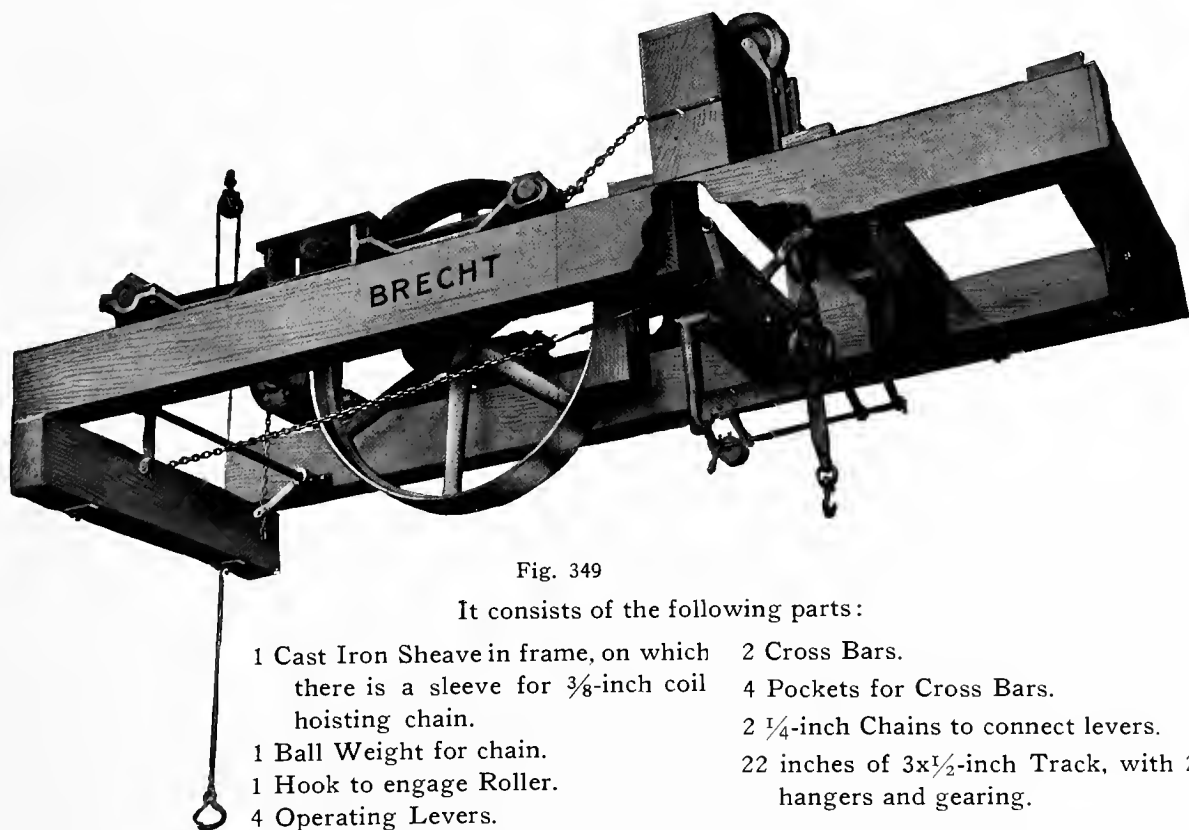


Fig. 349

It consists of the following parts:

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1 Cast Iron Sheave in frame, on which there is a sleeve for $\frac{3}{8}$-inch coil hoisting chain.</p> <p>1 Ball Weight for chain.</p> <p>1 Hook to engage Roller.</p> <p>4 Operating Levers.</p> | <p>2 Cross Bars.</p> <p>4 Pockets for Cross Bars.</p> <p>2 $\frac{1}{4}$-inch Chains to connect levers.</p> <p>22 inches of $3 \times \frac{1}{2}$-inch Track, with 2 hangers and gearing.</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Domestic weight243 lbs.
 Export weight285 lbs.
 Displacement.....3 cu. ft.
 List Price\$50.00
 Code wordApyrimac

This device requires a special design bleeding roller:
 Weight.....17 lbs.
 List Price\$8.75
 Code wordApyrene

**THE BRECHT
IRON BEEF TREES
AUTOMATIC BEEF TREE**

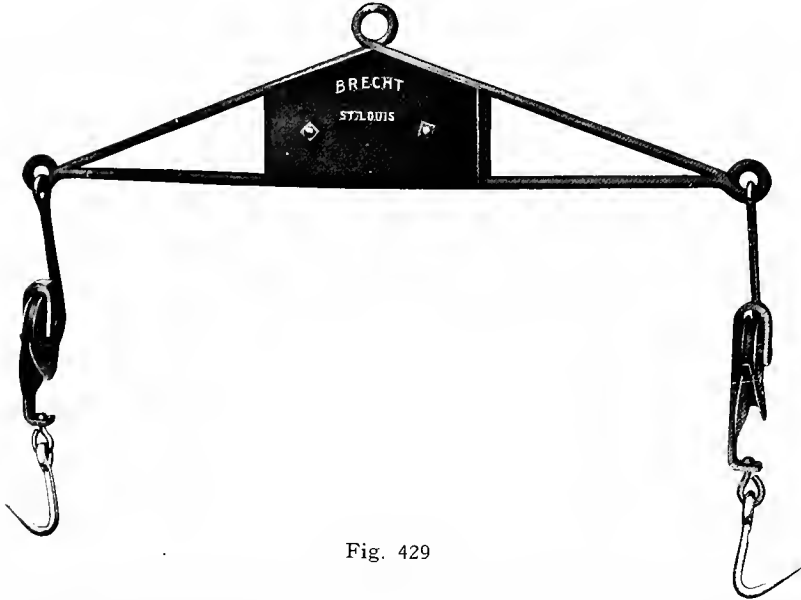


Fig. 429

Made to deliver the rollers with the carcass automatically on the overhead dressing rails. The illustration shows how the roller is placed in the large flanged hooks attached to the beef tree. When the beef tree is raised with carcass these flange hooks fit over the track, being made in such a way that the roller will automatically run off onto the track. This saves a lot of time and labor. When ordering above it must be shown on what side of track hangers are.

Domestic weight	70 lbs.	Export weight	110 lbs.
Displacement	4 cu. ft.	Price, not including trolleys	\$10.00
Code word	Apyretic		

STRAIGHT BEEF TREE

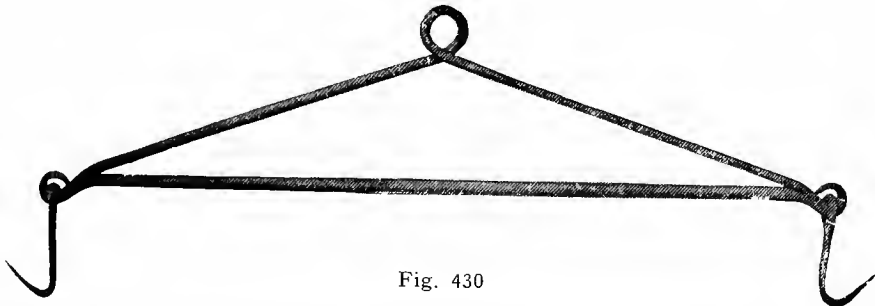


Fig. 430

The above Iron Beef Tree is used to hang carcass while dressing, and from which it is transferred to rollers on over-head track. Spreads the beef 4 feet across.

Domestic weight	19 lbs.	Displacement	4 cu. ft.
Export weight	30 lbs.	Price	\$5.00
Code word	Apyretos		

THE BRECHT
IRON BEEF TREES



SPREADING BEEF TREE (CLOSED)

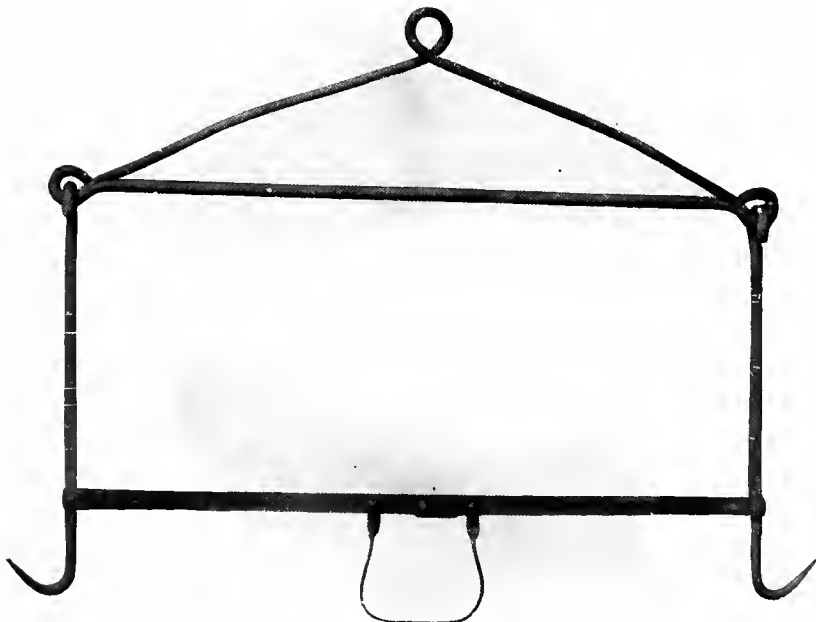


Fig. 431

SPREADING BEEF TREE (OPEN)

Our improved Spreading Beef Tree is a very practical and simple apparatus. It is in a closed position when starting to dress beef, and as it is hoisted the beef tree gradually spreads until full width, which is 3½ feet across.

Domestic weight	32 lbs.	Displacement.....	6 cu. ft.
Export weight	88 lbs.	Price.	\$12.50
Code word.....	Apyrexie		

WEIGHT FOR IRON BEEF TREE

This is a cast iron weight, which fits either our spreading or straight beef tree. When used the beef tree drops very quickly after carcass is hoisted and hung on rollers.

Weight, 45 lbs.	Price.....	\$3.00	Code Word Apyrotpe
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BEEF SHACKLE



Fig. 435

Weight	Price	Code Word
4½ lbs.	\$2.00	Apyrous

BLEEDING ROLLER



Fig. 436

Used for cattle on bleeding rail. A superior roller, made very heavy. Has anti-friction steel tempered pins and 6-inch grooved wheel. Will run in 13-inch hangers.

Weight	Price	Code Word
17¼ lbs.	\$7.00	Aquabare

ROUND BAR BEEF SHACKLE

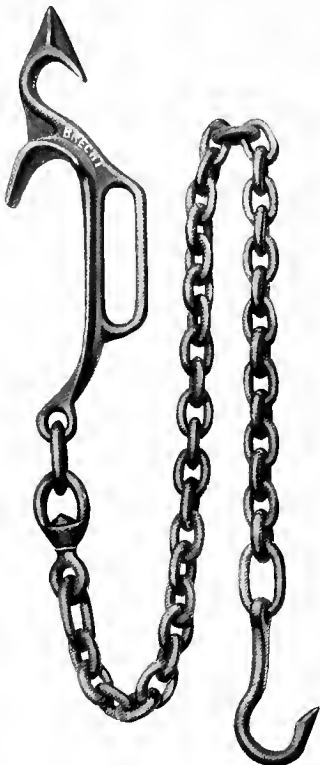


Fig. 437

Weight	Price	Code Word
13 lbs.	\$4.50	Aquadrelar

IRON HOG OR CALF GAMBREL

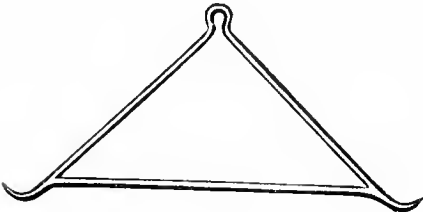


Fig. 438

Weight	Price	Code Word
3 lbs.	\$1.35	Aquaelicio

TWIN ROLLER

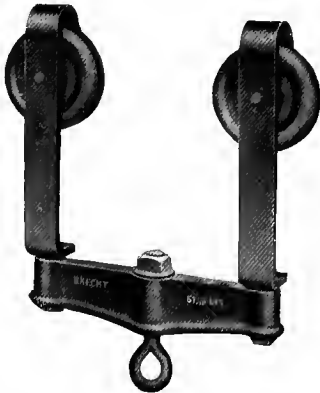
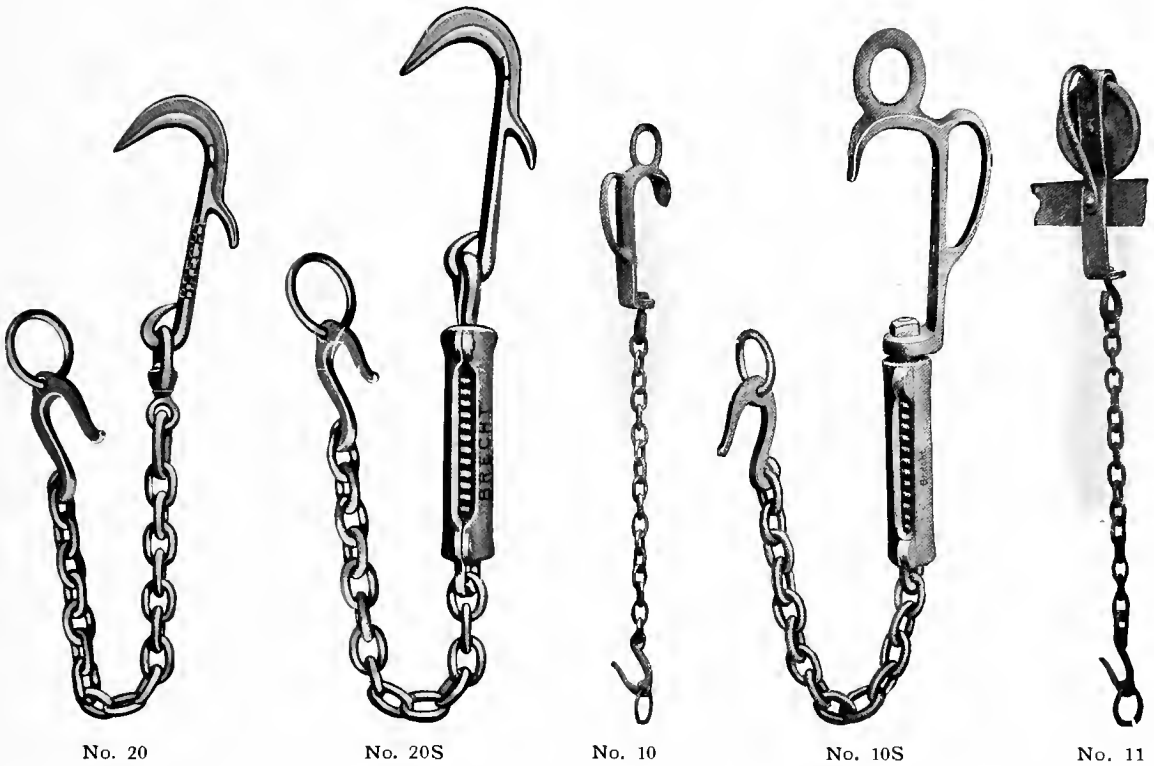


Fig. 439

Weight	Price	Code Word
17 lbs.	\$2.50	Aqualem

THE BRECHT HOG SHACKLES



No. 20—Regular hog shackle, commonly used on our improved hog hoist. See page No. 10.

No. 20S—Same as the regular shackle, but is equipped with a spring which prevents jerking when hog lands on rail and hangs there kicking.

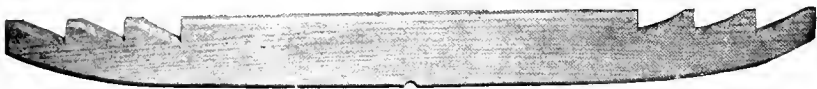
No. 10—Hog shackle used in connection with friction hoists, instead of regular hog hoist.

No. 10S—Same as No. 10, but equipped with spring.

No. 11—This shackle is made to use in connection with a friction hoist and lands on regular steel track. Will run in 11" hangers or longer ones.

	No. 20	No. 20-S	No. 10	No. 10-S	No. 11
Weight . . .	4 lbs.	6 lbs.	4½ lbs.	6¼ lbs.	7½ lbs.
Price	\$1.50	\$2.25	\$1.35	\$2.40	\$2.50
Code word	Aqualiculo	Aquamabou	Aquamanile	Aquamarine	Aquapim

THE BRECHT
GAMBRELS AND SPREADERS



FOR CALVES

2-notch; 32 inches in length; weight 2½ lbs.	\$0.40	Code Word
3-notch; 38 inches in length; weight 2½ lbs. ....	.45	Aquarelle
4-notch; 44 inches in length; weight 2½ lbs. ....	.50	Aquario
		Aquariolus



FOR HOGS

Style No. 1. 25x1⅝ inches; weight, 2½ lbs.	\$0.13	Code Word
Style No. 2. 22x1⅝ inches; weight, 2 lbs. ....	.12	Aquatical
Brecht Special. 25x1⅞ inches; weight, 3 lbs. ....	.15	Aquatile
		Aquatinta

The "Special" is made of selected second growth hickory.



FOR SHEEP AND HOGS

Square ends; 24 inches in length; weight, 1 lb.	\$0.20	Code Word
		Aquationem



STEEL SHEEP GAMBREL—TINNED

A tinned steel Sheep Gambrel, admirably carried by Swivel Hook No. 30.		Code Word
Made of ⅜-inch steel; length 11 inches; weight, ⅜ lb. Price.	\$0.15	Aquationis

SAW-TOOTH BEEF PRITCHES



Best hickory, steel pin, ferruled at one end; other end fitted with saw-tooth ferrule; 33 inches in length; weight, 2 lbs.	\$0.50	Code Word
		Aquatorom

BEEF SPREADERS



Best hickory, steel pins; 29 inches in length; weight, 2½ lbs.	\$0.75	Code Word
		Aqueity

THE BRECHT HOG SCRAPERS



BELL-SHAPED



BENT STEEL

No. 4—Bell-shaped, black steel; weight, $\frac{1}{2}$ lb.	Price.....	\$0.40	Code Word
No. 6—Bell-shaped, tinned steel; weight, $\frac{1}{2}$ lb.	Price.....	.50	Aqueixar
Bent steel; 2-inch edge (for heads); weight, 6 ozs.	Price.....	1.00	Aquejaba
Bent steel; 4-inch edge.	Price.....	1.15	Aquejabais
Bent Steel; 5-inch edge.	Price.....	1.25	Aquejadas
			Aquejadora

HOG WASH VALVES



Made of brass; does the work quickly and effectively; weight, $1\frac{1}{2}$ lbs....	\$2.75	Code Word
		Aquejamos

HANGING OFF HOOK



Used to guide and drive hook of track roller in shank.

Length, 6 feet; weight, 3 lbs. 6 ozs.	Price, tinned, including pole.....	\$1.50	Code Word
			Aquejar

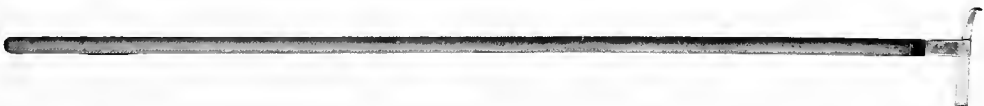
POLE HOOK



This pole hook is used to jerk beef tree hook out of shank after same has been hung on track roller.

Length, 6 feet; weight, 3 lbs.	Price, tinned, including pole.....	\$0.75	Code Word
			Aquejareis

ROLLER HOOK



Used to lift rollers on track; also to hold roller when meat is taken off hook, to prevent it from falling off track. Forged steel.

Length, 6 feet; weight 3 lbs. 2 ozs.	Price, tinned, including pole.....	\$1.50	Code Word
			Aquejaron

THE BRECHT OVERHEAD STEEL TRACK

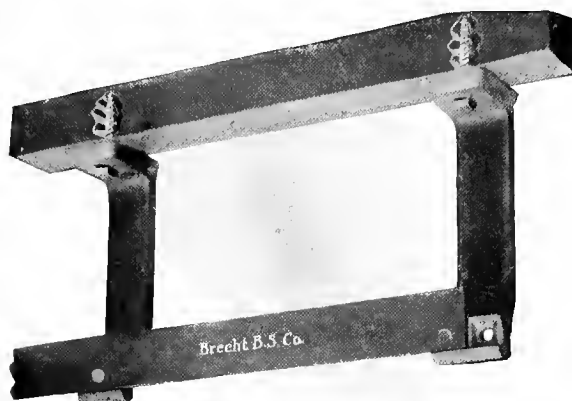


Fig. 463

The above illustration shows construction of our standard steel overhead tracking $2\frac{1}{2} \times 3\frac{3}{8}$ in., with 11-in. hangers. All track quoted per running foot, punched, bent and fitted according to sketch, and is furnished with coach screws, bolts, washers and nuts ready to hang. The cast iron hangers make an especially rigid construction; they are hollowed on face, allowing track to set up snug and tight. Hangers are fastened to timbers with coach screws, as shown, through a slotted hole, permitting of perfect alignment of track. In the track we punch a square hole to receive a square-neck bolt, which prevents bolt from turning when nut is drawn. Track can be taken down and rehung without cutting bolts. Hanger lengths given are from under side of timber to under side of track. All sizes and kinds of rollers may be used on regular track having 11-inch hangers; 9-inch hangers with $2\frac{1}{2}$ -inch track permits passage of all rollers but those having 5-inch wheels with straps. Joint hangers with two bolts are furnished for each joint.

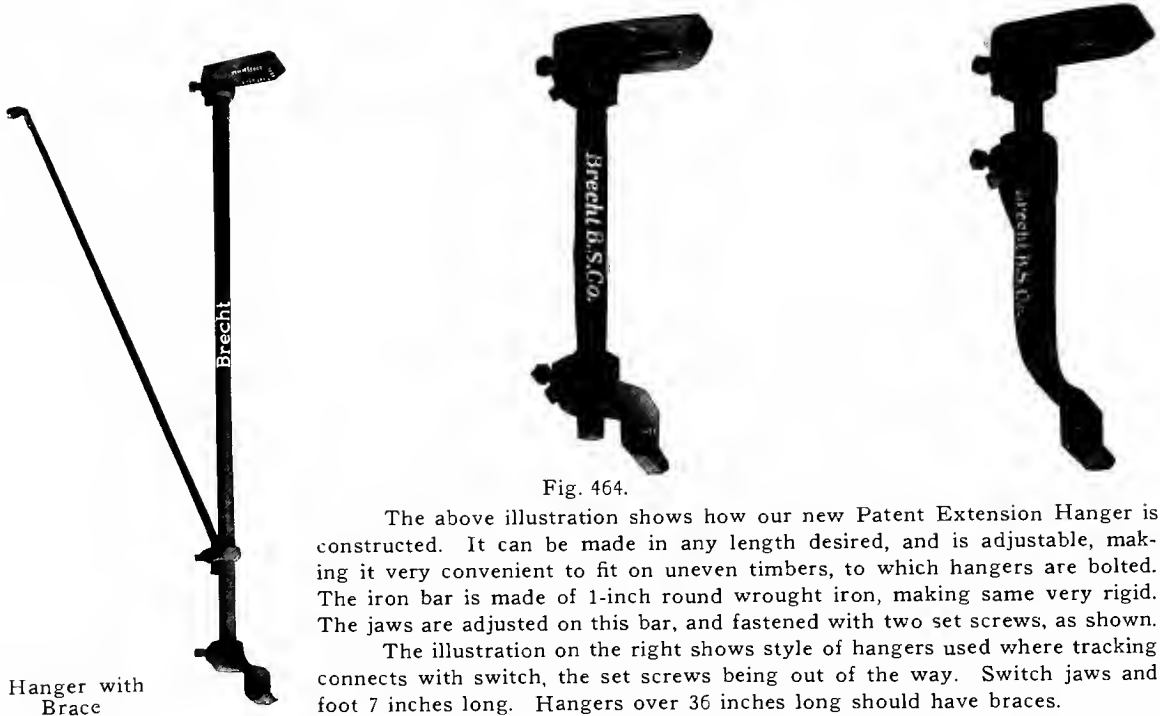
Size Track	Size Hanger	Distance between Hangers	Weight per Running Foot	Price per Running Foot	Code Word
$2\frac{1}{2} \times 3\frac{3}{8}$ in.	9 in.	30 in.	$5\frac{1}{2}$ lbs.	\$0.44	Aquella
$2\frac{1}{2} \times 3\frac{3}{8}$ in.	11 in.	30 in.	6 lbs.	.48	Aquellos
$2\frac{1}{2} \times 1\frac{1}{2}$ in.	9 in.	30 in.	$6\frac{1}{2}$ lbs.	.50	Aquenses
$2\frac{1}{2} \times 1\frac{1}{2}$ in.	11 in.	30 in.	7 lbs.	.54	Aquensium
$3 \times 1\frac{1}{2}$ in.	13 in.	30 in.	10 lbs.	.80	Aqueous

We can also furnish 10" and 12" hangers when wanted.

NOTE—Overhead tracking is today recognized as one of the most economical methods of interior transportation, and when once used more will positively be added. Every conceivable variety of carrier is made for overhead track and almost everything can be handled to advantage with an overhead track system. The saving of the floor alone from trucking is a big item, also the saving of floor space, and besides, a properly constructed track system expedites the handling of heavy product and makes it easier on your men.

THE BRECHT ADJUSTABLE HANGERS

(PATENTED)



	Price	Code Word
Regular jaws and foot only, for 2½x¾" and 2½x½" track; weight, 4¾ lbs..	\$0.80	Aquerencio
Heavy jaws and foot only, for 3x½" track; weight 10¼ lbs.....	1.28	Aqueresse
Switch jaws and foot only.....weight, 7¾ lbs.	1.05	Aqueronte
Shank, 1 -inch round, for regular hangers; weight, 2¾ lbs. per foot....	.15 per foot	Aquestos
Shank, 1¼-inch round, for heavy hangers; weight, 4 lbs. per foot....	.23 per foot	Aquette
Braces, with adjustable ring.....weight, ¾ lb. per foot....	.25 per foot	Aquicalor

TRACK WITHOUT HANGERS

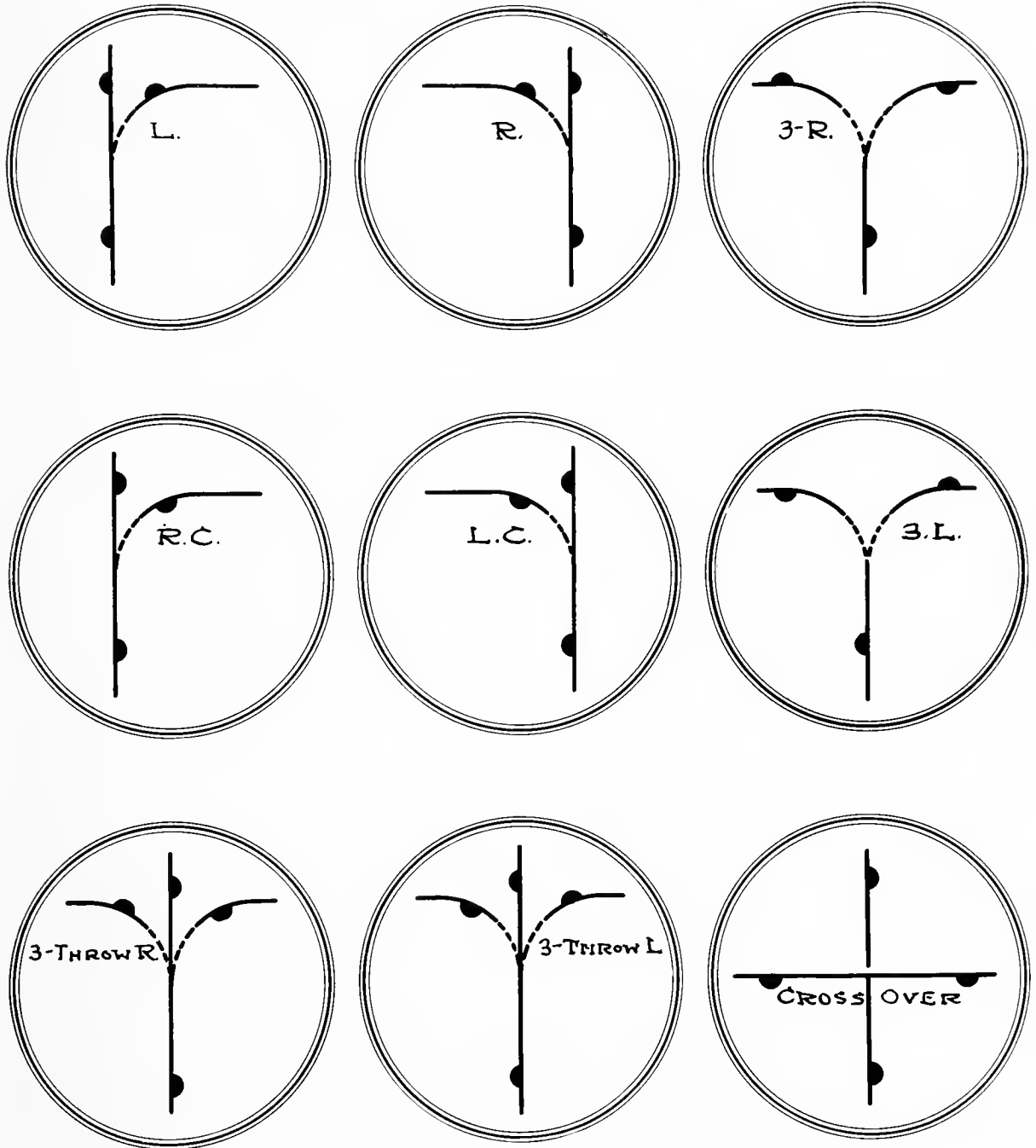
In connection with above hangers we furnish our "Standard" specially rolled steel track punched, bored, bent and fitted (according to plans furnished) with bolts, nuts and washers, complete ready to hang.

		Code Word
2½x¾" steel track, without hangers; weight, 3¾ lbs.....	\$0.27	Aquicelum
2½x½" steel track, without hangers; weight 4¼ lbs.....	.34	Aquidaban
3 x½" steel track, without hangers; weight, 5¼ lbs.....	.39	Aquidoccio

In ordering adjustable hangers state style of foot and jaw desired; also state length and size of shank desired. Length of shank is figured from under side of timber to bottom edge of track. If braces are desired, give same length as shank. Thus a regular jaw and foot with 36-inch shank and brace means that we will supply hangers 36 inches from under side of timber to bottom edge of track with proper brace. Length of shank should not be ordered more than 6 inches longer than necessary, as lower projecting bar will interfere with rollers.

SWITCH CHART

SHOWING VARIOUS PLANS OF SWITCHES



NOTE—As the curves in the track are not always in the same direction, nor the hangers always on the same side of the track, it is necessary, when ordering switches, to refer to the above chart, and order the kind required.

Note—Switches for $2\frac{1}{2}$ " track have curve with a 16" radius; switches for $3x\frac{1}{2}$ " track have curve with an 18" radius.

THE BRECHT
"CRESCENT" SWITCHES

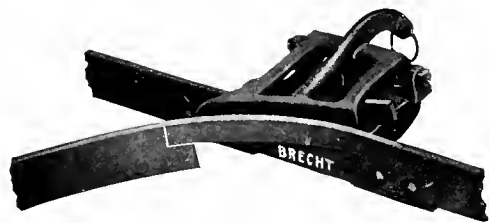


Fig. 433

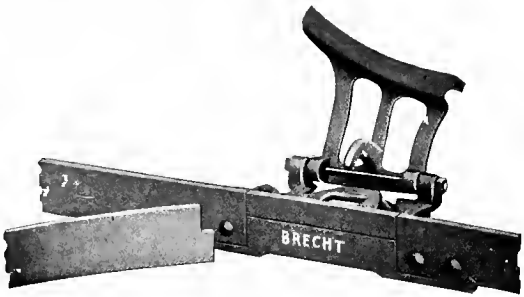


Fig. 433

This is a two track switch made for 2½"x¾", 2½"x½" and 3"x½" track. It is bolted on to the main track by two bolts at each end. Switches for 2½"x¾" and 2½"x½" have a 16" radius. Switch for 3"x½" track has an 18" radius. This is the latest, simplest and strongest switch on the market.

Style	Code Word 2½"x¾" Track	Code Word 2½"x½" Track	Code Word 3"x½" Track
R. C.	Aquiducos	Aquieteis	Aquifugae
L. C.	Aquiducum	Aquifere	Aquigene
R.	Aquietaba	Aquiferous	Aquigenos
L.	Aquietamos	Aquifoliae	Aquigenum
3-R.	Aquietar	Aquifolios	Aquila
3-L.	Aquietaron	Aquifolium	Aquilastro
Weight.	15 Lbs.	15 Lbs.	18 Lbs.
Price.	\$4.50	\$5.00	\$7.00

THREE THROW SWITCH

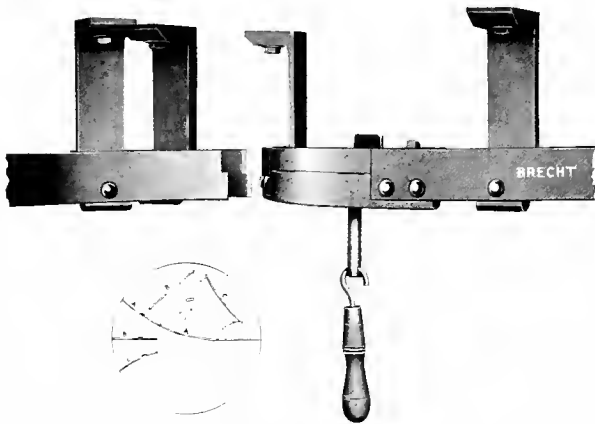


Fig. 434-A

CROSS OVER OR CUT THRU SWITCH

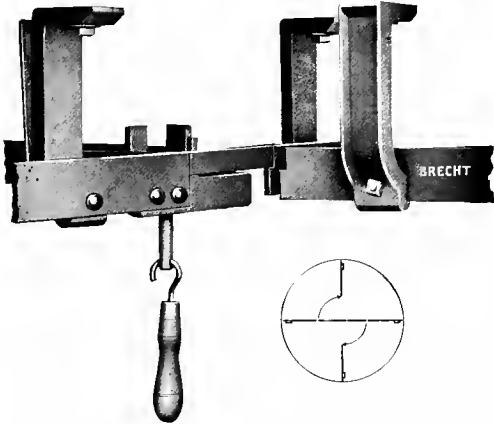


Fig. 434-B

Style	Code Word 2½"x¾" Track	Code Word 2½"x½" Track
3-Throw R.	Aquilatado	Aquileas
3-Throw L.	Aquilated	Aquilegia
Weight.	14 Lbs.	20 Lbs.
Price.	\$6.00	\$6.25

Style	Code Word 2½"x¾" Track	Code Word 2½"x½" Track
Crossover.	Aquilentus	Aquilienne
Weight.	17 Lbs.	20 Lbs.
Price.	\$6.00	\$6.25

SWITCH FOR ROUND BAR BLEEDING RAIL

This heavy switch is used on either beef or hog round bar bleeding rails. It connects with 1 15-16" rail with a radius of 30".

It is strong and durable, yet very simple.



Fig. 432

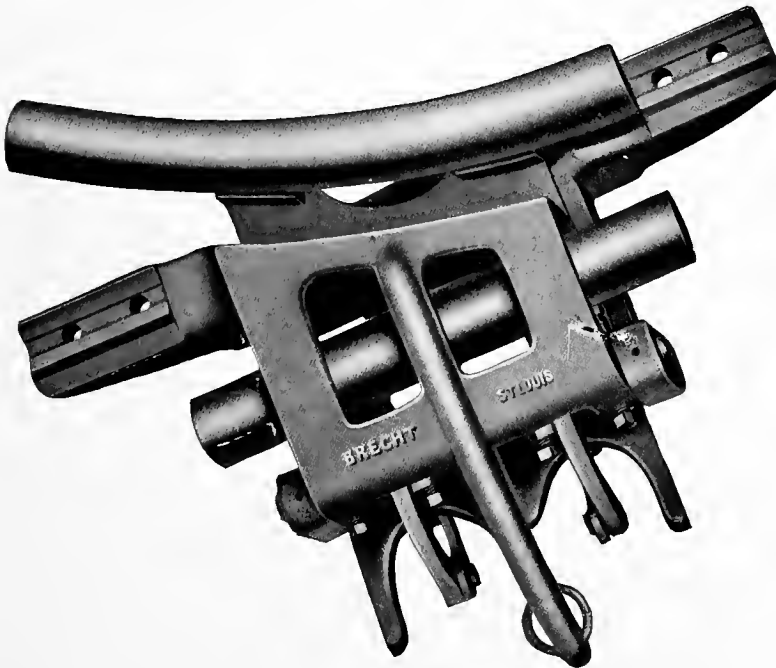


Fig. 432

Dom. Weight . . . 100 lbs.

Export Weight . . 125 lbs.

Displacement . 2½ cu.ft.

Price on application.

Code Word Aquilinos.

No. 1 R. THREE-TRACK SWITCH

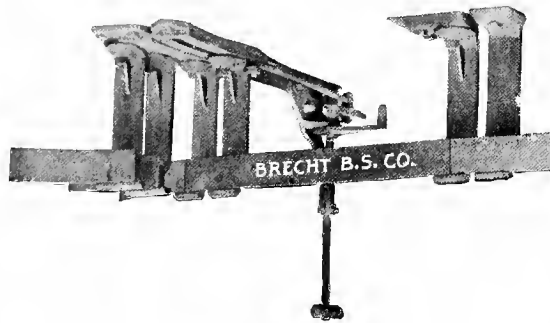


Fig. 465

The above illustration represents our new overhead Track Switch, which has improvements not found in any other. It can be adjusted so as to shift the switch bar any distance, and the slightest wear can be taken up at any time. It can also be adjusted to all tracks where the distances between are not all alike. It is so constructed that when it leaves the factory it is all complete and ready to be hung without any extra connections to be made.

As will be seen the handle has a double knuckle joint, which makes it flexible so that it cannot be bent or broken by coming in contact with anything. It can be hung anywhere in the room, because it does not connect with the wall or posts like most other switches on the market.

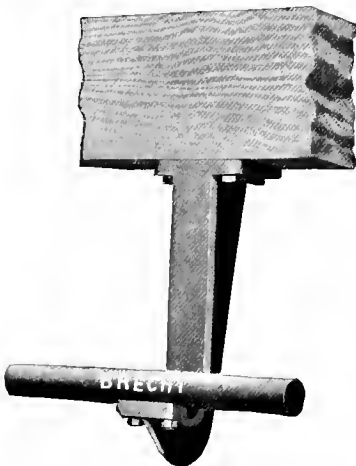
It is a positive lock Switch and can be furnished to connect with two, three, four or more tracks, if necessary.

Price of Two-Track Switch.....\$8.00
 Price of Three-Track Switch.....10.00
 Price of Four-Track Switch.....13.00

Weight 55 lbs. Code Word Aquilinum
 Weight 70 lbs. Code Word Aquilladas
 Weight 85 lbs. Code Word Aquillado

CATTLE

ROUND BAR HOG
STICKING AND BLEEDING RAIL

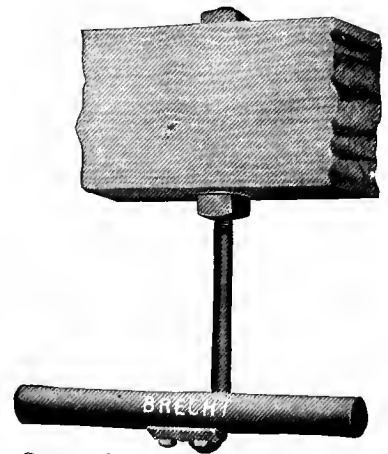


Comes Complete With Hangers

Cost per foot.....\$3.00
 Weight per foot.....20 lbs.
 Length of Hanger.....13"
 Code Word Aquillius

HOG

ROUND BAR CATTLE
STICKING AND BLEEDING RAIL



Comes Complete With Hangers

Cost per foot.....\$3.00
 Weight per foot.....10 lbs.
 Length of Hanger.....24"
 Code Word Aquilon

OVERHEAD HINGED TRACK

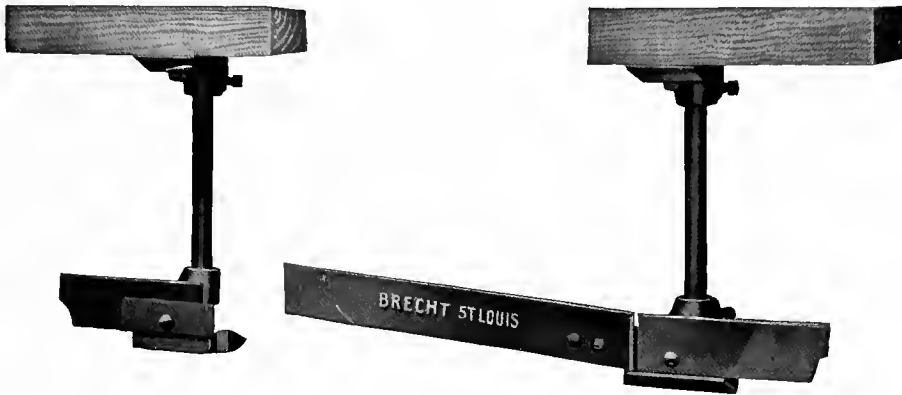


Fig. 466

A hinged track which can be swung out of the way to allow a carcass, being rolled along on upper rail, which runs at right angles, to pass through. It is self-locking, but will not unlock itself. Consists of hinged rail—2 pieces track, each 30" long and two 11" extension hangers. Hangers can be furnished longer if desired.

Domestic weight	45 lbs.
Export weight	60 lbs.
Displacement	1 cu.ft.
Price	\$7.50
Code word	Aquilonare

ELEVATOR TRACKING CONNECTION

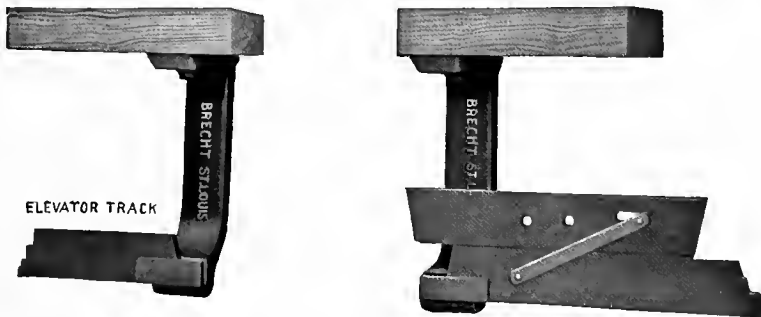


Fig. 467



A connection between an elevator track and the stationary track on the different floors. The loose piece as shown in illustration is lifted over into the connection on the stationary track. We provide a lifter as shown in the illustration. Price includes 5' of track and 3-11" cast iron hangers for the elevator and 30" of track and 1 hanger for the stationary track. Also the connecting rail and lifter.

Domestic weight	55 lbs.	Displacement.....	2 cu. ft.
Export weight	75 lbs.	Price, including hook.....	\$9.50
Code word	Aquilonia		

THE BRECHT NEW TRACK ROLLERS

We have found the grooved wheels best adapted to all kinds of work. All of our wheels are made in three-part flasks. This costs us more, but it insures a true, round running groove, making them easy on men and saving wear on track system. Flanges are extra heavy, withstanding all pressure on rounding curves. All wheels bored on lathe, not merely cored and a rivet driven through them. All of our rollers are made for wear; they are substantial, well finished and conceded by practical users to be the strongest and longest lived rollers made.



Style A Frame
and Wheel



Style B Frame
and Wheel



Style C Frame
and Wheel



Style D Frame
and Wheel



Style E Frame
and Wheel

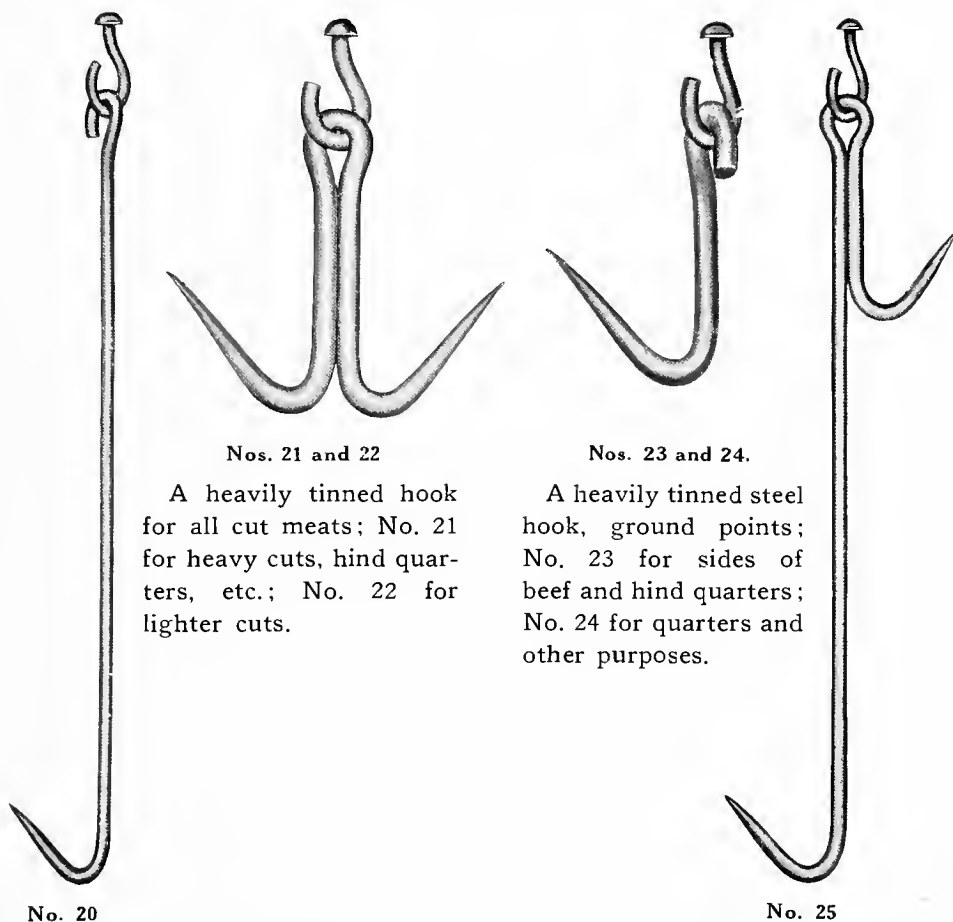


Style F Frame
and Wheel

	Size Wheel O. D.	Diameter Running Groove	Weight	Length from Bottom of Track	Price	Code Word
Style A	4 $\frac{1}{4}$ in.	3 $\frac{1}{2}$ in.	5 lbs.	3 in.	\$0.46	Aquilotto
Style A Special	4 $\frac{3}{4}$ in.	4 in.	6 $\frac{1}{4}$ lbs.	3 in.	.55	Aquiminale
Style B	3 $\frac{3}{4}$ in.	3 in.	4 $\frac{1}{4}$ lbs.	2 $\frac{3}{4}$ in.	.43	Aquinas
Style C	5 in.	4 in.	5 lbs.	2 $\frac{1}{4}$ in.	.58	Aquinum
Style D	3 $\frac{3}{4}$ in.	3 in.	3 $\frac{1}{8}$ lbs.	1 $\frac{1}{2}$ in.	.39	Aquipares
Style E	5 in.	4 in.	5 $\frac{3}{4}$ lbs.	2 $\frac{5}{8}$ in.	.69	Aquiqui
Style F	3 $\frac{3}{4}$ in.	3 in.	3 $\frac{1}{2}$ lbs.	2 in.	.43	Aquisgran

We make six styles of frames, to which any of the eight styles of hooks illustrated on succeeding page can be attached, thus giving our customers any desired combination. Price of frames includes wheels; price of hooks includes swivels, or arrangement to fasten them to frames. In ordering, state style frames desired, with number of hook, thus: Style A frame, with No. 23 hook, makes our Standard Beef Rollers. Style A frame, with No. 28 gambrel hook, makes our Standard Hog Roller. Style B frame is same as Style A, but of lighter construction and contains 3 $\frac{3}{4}$ -inch wheel in place of 4 $\frac{1}{4}$ -inch wheel, and is used for quarters and other cuts. Style C frame is for a special hog or beef roller and is very popular. Has a 5-inch wheel and very heavy axle—makes an exceedingly durable and attractive roller, and is almost unbreakable. Style D is same as Style C, with the exception that it has a 3 $\frac{3}{4}$ -inch wheel and is used for quarters, split hogs and other cuts. Style A and Style E require 11-inch hangers. Style B, C, D and F will run in 9-inch hangers. Style E has a heavy malleable iron frame with a 5-inch wheel. Style F is similar to Style E except that it has a 3 $\frac{3}{4}$ -inch wheel. Style A Special is similar to Style A, but is made to run on $\frac{1}{2}$ -inch tracking, while Style A runs on $\frac{3}{8}$ -inch track.

THE BRECHT ROLLER HOOKS



No. 20

A heavily tinned steel hook for fore
quarters, 24 in. long.

No. 25

A heavily tinned steel hook for hind
and fore quarters together.

Price of hooks includes swivel, or arrangement to fasten them to roller frames.

	Size of Steel	Length from Bottom of Frame	Weight	Price	Code Word
No. 20	$\frac{1}{2}$ in.	26 in.	2 lbs.	\$0.27	Aquitaine
No. 21	$\frac{5}{8}$ in.	8 in.	2 lbs.	.45	Aquitanas
No. 22	$\frac{1}{2}$ in.	8 in.	$1\frac{3}{8}$ lbs.	.42	Aquitanian
No. 23	$\frac{5}{8}$ in.	8 in.	$1\frac{3}{8}$ lbs.	.21	Aquitamico
No. 24	$\frac{1}{2}$ in.	8 in.	$\frac{7}{8}$ lb.	.18	Aquite
No. 25	$\frac{1}{2}$ in.	26 in.	$2\frac{1}{2}$ lbs.	.36	Aquitector

THE BRECHT ROLLER HOOKS



No. 26

The same hook as our No. 27, but with a 36-inch extension, to be used for hogs on beef track.



No. 27

Our Special Malleable Iron Gambrel Hook. These hooks have the advantage of having a strong brace between points, and can be coupled short to frame where head room is an object.



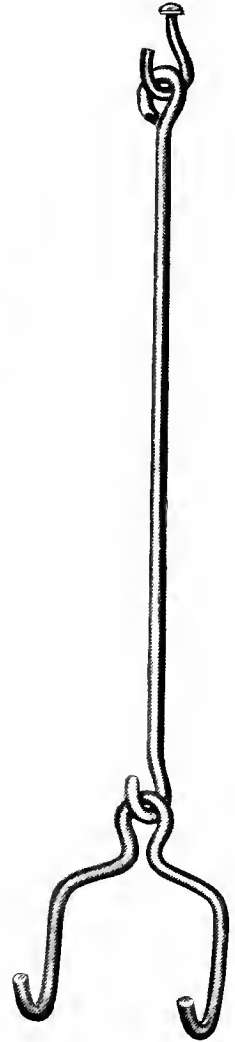
No. 28

Our Standard Steel Gambrel Hook, nicely finished, making a strong, neat hog gambrel carrier.



No. 30

An ideal hook to carry a tinned steel sheep gambrel. Strong and durable.



No. 29

The same as our No. 28, but with a 36-inch extension, to be used for hogs on beef track.

Price of hooks includes swivel, or arrangement to fasten them to roller frames.

	Size of Steel	Length from Bottom of Frame	Weight	Price	Code Word
No. 26	$\frac{1}{2}$ in.	39 in.	4 $\frac{1}{2}$ lbs.	\$0.54	Aquiteles
No. 27	Malleable	5 in.	1 $\frac{1}{2}$ lbs.	.31	Aquivergio
No. 28	$\frac{1}{2}$ in.	9 in.	1 $\frac{1}{2}$ lbs.	.15	Aquosae
No. 29	$\frac{1}{2}$ in.	40 in.	4 $\frac{1}{2}$ lbs.	.47	Aquosarum
No. 30	Malleable	2 $\frac{1}{2}$ in.	$\frac{3}{8}$ lb.	.10	Aquositas

THE BRECHT SUSPENSION TRACK SCALES

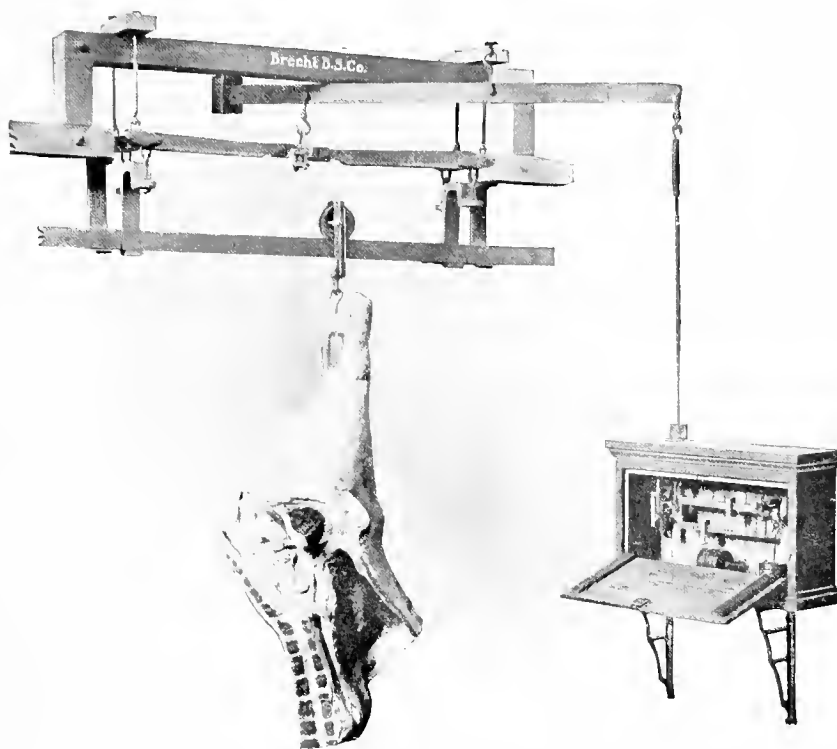


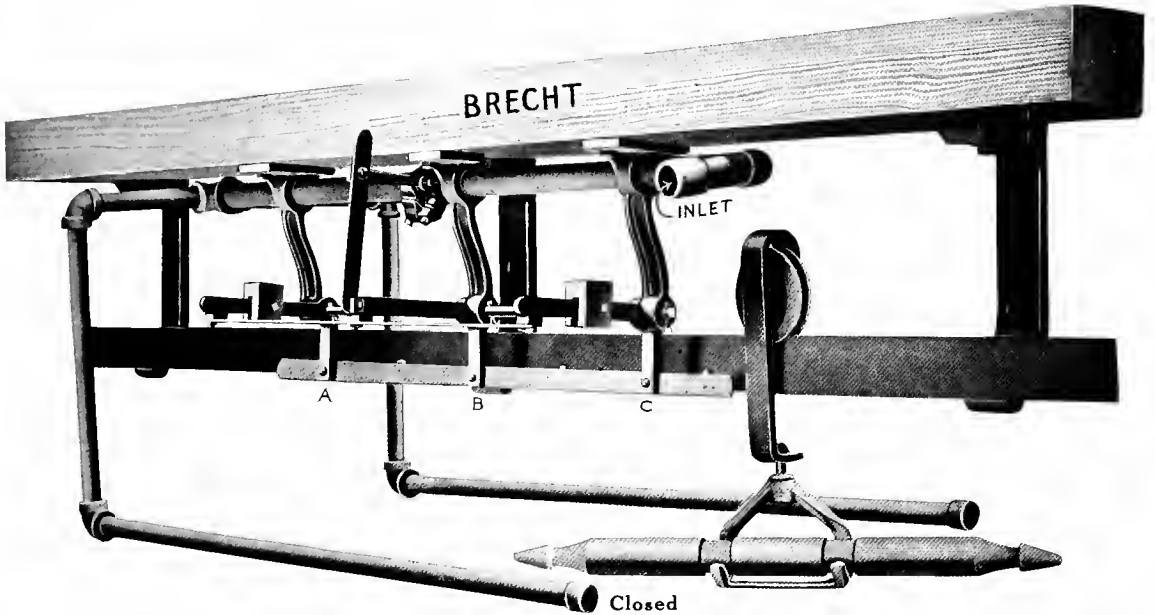
Fig. 442.

These scales are for the purpose of weighing dressed meats without the necessity of rehandling. Meats can be weighed as soon as dressed and again when taken out of the cooler or markets. The matter of shrinkage as well as quick handling are items of vast interest to every up-to-date packer and butcher.

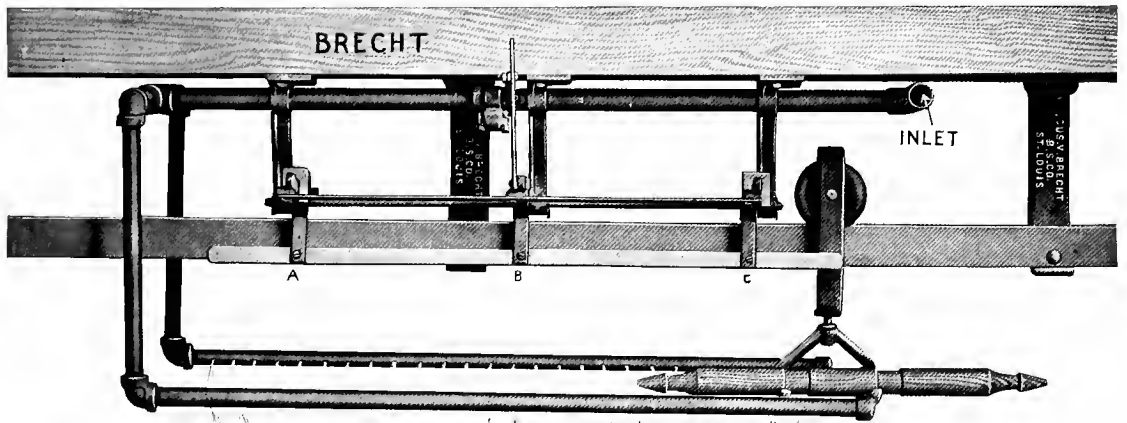
Capacity	Domestic Weight	Export Weight	Displacement	Price	Code Word
1000	150	200	5 cu. ft.	\$65.00	Aquosity
2000	175	250	7 cu. ft.	75.00	Arabah

When ordering track scales for packing houses already fitted up with tracks, the distance should be given between the track and ceiling or joists, to whichever hangers are attached, so the scale can be made to fit. Also state distance from track to wall to which scale box will be attached.

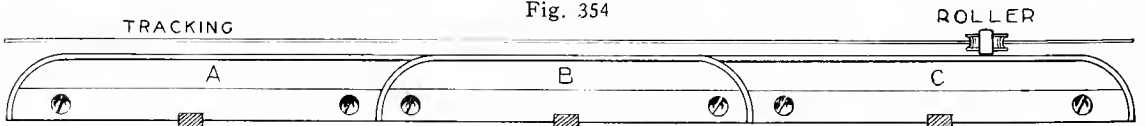
THE BRECHT
AUTOMATIC HOG AND BEEF SPRINKLER



Cut shows Sprinkler with the water valve closed. The hog or beef hanging on the roller passes along the rail and raises the regulating plate A, B and C. This opens the gate valve and sets sprinkler in operation (as shown in cut following). When the roller passes beyond the regulating plate, the valve closes automatically.



Open
Fig. 354



PLAN OF REGULATING PLATE

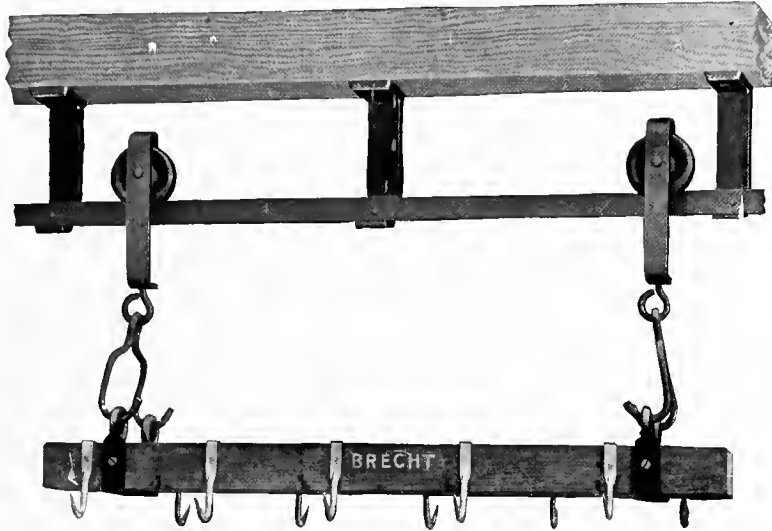
Is made in three sections, A, B and C. Either section can be removed, to shorten the length of time the sprinkler is in operation. The valve lever can be adjusted to regulate the flow of water.

Domestic weight	100 lbs.	Displacement.....	3 cu. ft.
Export weight	125 lbs.	Price	\$22.50
Code word.....	Arabarches.		

THE BRECHT SHEEP LOG

TO BE USED IN CONNECTION WITH No. 28 GAMBREL HOOK ILLUSTRATED ON
PAGE 46 AND ANY ONE OF THE DIFFERENT STYLE ROLLERS ILLUS-
TRATED ON PAGE 44.

WOODEN SHEEP LOG

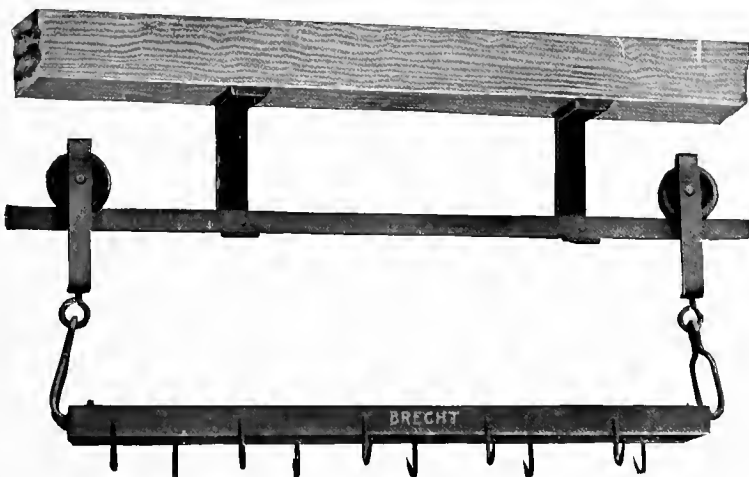


Price without trolleys..... \$8.75
Weight without trolleys.....28 lbs.

Packed 25 in a box for export
shipment, 775 lbs. 12 cu. ft.

Code Word
Arabatanes

IRON SHEEP LOG



Price without trolleys..... \$8.50
Weight without trolleys.....22 lbs.

Packed 40 in a box for export
shipment, 955 lbs. 12 cu. ft.

Code Word
Arabattine

THE BRECHT HEART AND LIVER CARRIER

USED ALSO FOR TONGUES, PLUCKS OR LEAF LARD

Pieces hung on the hooks will not overlap one another. This feature exposes each piece to the air so that it loses its natural heat quickly. This prevents sour, sweaty or mouldy products. Galvanized all over.

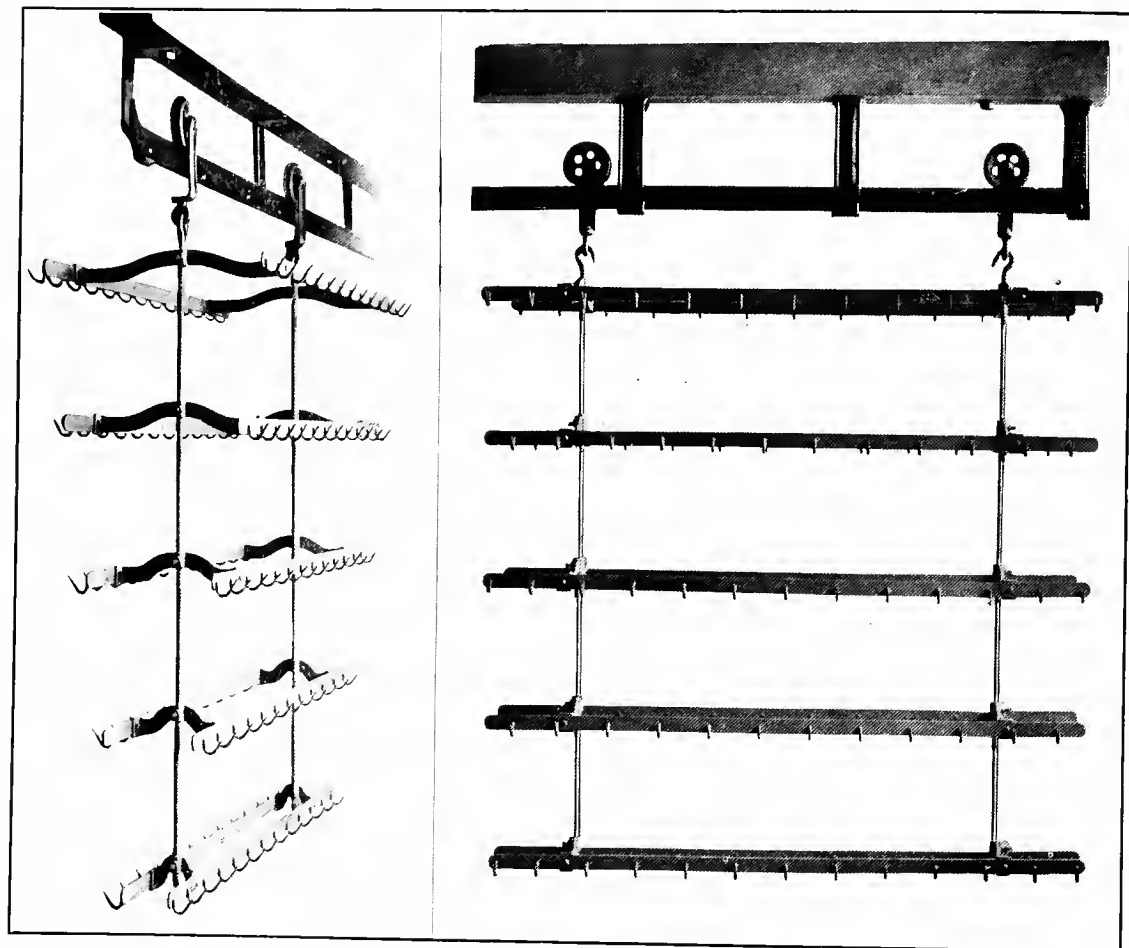


Fig. 344

Length	62"	Domestic Weight.....	115 lbs.
Height to top of rail.....	73"	Export Weight.....	200 lbs.
Extreme width at top.....	24 $\frac{1}{2}$ "	Displacement	12 cu. ft.
Extreme width at bottom...	8 $\frac{3}{4}$ "	Price	\$40.00
Code Word.....		Arabella	

Can be made longer if desired.

THE BRECHT NEW LEAF LARD CARRIERS

(EVERY PART GALVANIZED)



Fig. 328

These carriers are made three or four stations high. Each station is equipped with stationary or removable hooks.

These stations are made to slide up and down on two vertical rods fastened to a special cast iron yoke, which is equipped with double wheel trolley, permitting the carrier to swing around on a swivel. This is a very convenient arrangement for hanging up hot leaf lard coming from the dressed hog, transferring it along overhead tracking into the cooling room. Lard chilled in this manner is undisturbed and cools perfectly.

These carriers are also suitable for other purposes: Can be run into cutting room and loaded with cuts of pork, etc. They are perfectly sanitary and insure the handling of meats with a minimum amount of labor.

Regular Carriers, 23 inches x 24 inches x 62 inches high to the bottom of the trolley wheel. Stations are 16 inches apart. There are 18 hooks on each Station—four on each of the 23-inch sides and 5 on each of the 24-inch sides. Rollers will run in 9-inch hangers.

Domestic Weight	Export Weight	Displacement	Price	Code Word
110 Lbs.	185 Lbs.	8 cu. ft.	\$27.00	Arabescano

THE BRECHT NEW LOIN RACK

(HEAVILY GALVANIZED ALL OVER)



Fig. 329

Each shelf of this rack will support (full length) eight loins. The rack can be run into cutting room and when loaded taken to the Chill room; it can also be used for tongues, shoulders, livers, boiled ham, etc.—for any part of the carcass that is to be refrigerated, making the handling easy and economical. The frame is made of angle-iron and T-iron, and consequently very strong. The entire rack (frames, shelves and double trolley) is heavily galvanized after being put together, consequently cannot rust. Absolutely sanitary. The double trolley not only makes it light running, but insures safety rounding curves where a single trolley might jump the track. The removable shelves measure 48 x 30 inches, and are made of No. 14 wire, 2 inch mesh.

Distance between shelves is 14 inches, but we arrange the uprights to suit the customer. We can also make them adjustable by furnishing frames with additional holes punched to allow changes in position of Stations.

Dom. Weight	Exp. Weight	Displace- ment	Price	Code Word
190 lbs.	275 lbs.	10 cu. ft.	\$40.00	Arabescas

THE BRECHT NEW DUMPING BARREL



Fig. 469

Our New Dumping Barrel, shown here, is a great energy and labor saver. Used in all departments of the modern packing house for conveying fats, scraps, bones, and other parts of the carcass. Can be hung on any ordinary overhead trolley, but the double trolley with twin rollers is much more desirable. The twin trolleys start easily, run smoothly and require very little help to keep them moving, even with the heaviest loads. This barrel when filled will dump the load automatically when the rope is pulled, and after unloading will lock itself when turned back to an upright position.

DESCRIPTION

Made of No. 18 galvanized steel with bail of 2-inch x $\frac{1}{2}$ -inch black strap iron, and hoops of 2-inch x $\frac{1}{4}$ -inch black strap iron. Reinforced Swivel Hook in bail and Automatic Catches. Diameter, 24 inches; height, 30 inches; capacity, 52 gallons.

Dom. Weight	Exp. Weight	Displace- ment	Price	Code Word
110 lbs.	160 lbs.	17 cu. ft.	\$20.00	Arabescava

Extra if Bail and Hoops are galvanized, \$2.50.

Extra for Twin Trolleys for $\frac{3}{8}$ -inch x $2\frac{1}{2}$ -inch track, or $\frac{1}{2}$ -inch x $2\frac{1}{2}$ -inch track, \$2.00. Weight, 17 lbs.

Twin Trolleys illustrated on page 32.

THE BRECHT TANK CHARGING TRUCK

A very useful truck on killing floors for receiving and carrying to the tanks fat, bones, offal, etc. The nose is oval shaped to fit into the manhole of the rendering tanks.

Made of heavy galvanized iron, with a tubular and channel steel frame. Well balanced and runs on large easy running wheels.

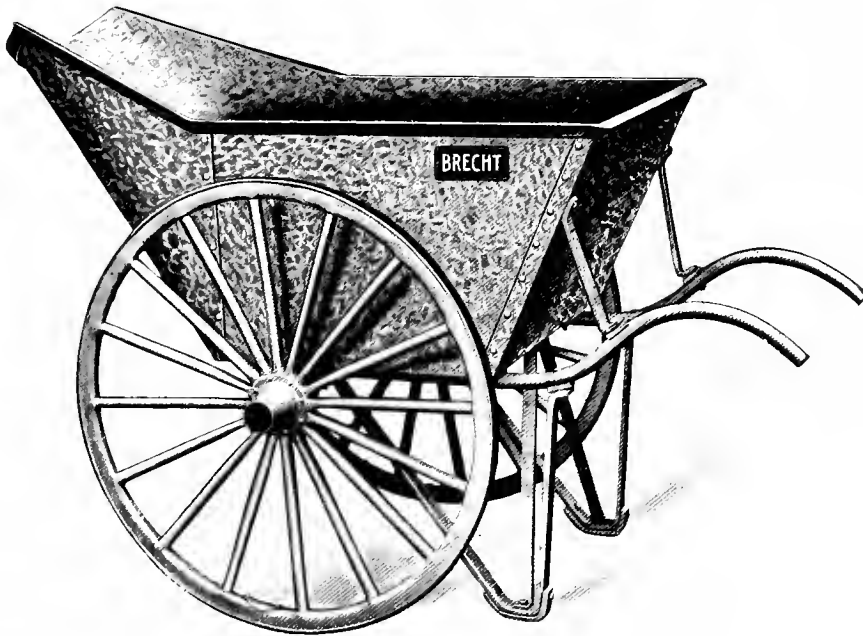


Fig. 450

Domestic Shipping Weight.. 275 lbs.
Export Shipping Weight.... 450 lbs.
Displacement 90 cu.ft.

Size over all.....5'x3'x3'4" high
Price \$80.00
Code Word.....Arabeschi

THE BRECHT HOOF PULLERS

A Machine Used for Removing Hoofs from Beef Feet

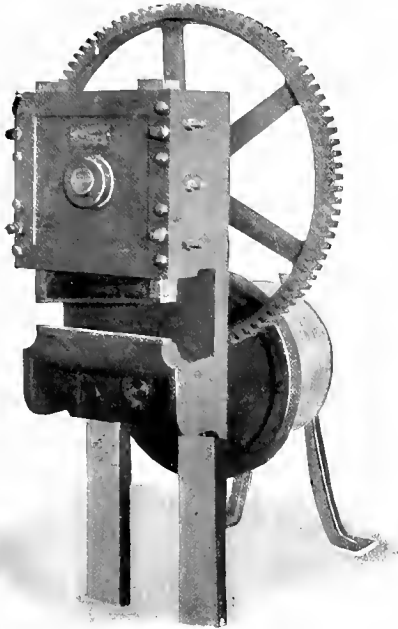


Fig. 454

POWER HOOF PULLER

Size of Pulleys.....	16" diam. x 4" face.
Speed of Pulleys.....	80 R. P. M.
Domestic Weight.....	1000 lbs.
Export Weight.....	1200 lbs.
Displacement	60 cu. ft.
Price	\$150.00
Code Word.....	Arabesco

HAND HOOF PULLER.

Made of oak and mounted on three iron legs; strong, rigid and very simple.

Dom. Weight...	55 lbs.
Exp. Weight...	85 lbs.
Displacement ..	27 cu. ft.
Price	\$22.50
Code Word...	Arabibus



Fig. 455.

THE BRECHT VISCERA INSPECTION TABLE

Made to conform to all the government requirements. The movable top is made of galvanized steel slats which overlap one another. This prevents the viscera from falling between the slats which might cause a torn casing. The drip pan is removable and the whole table is strong, durable and practical. All parts are galvanized.

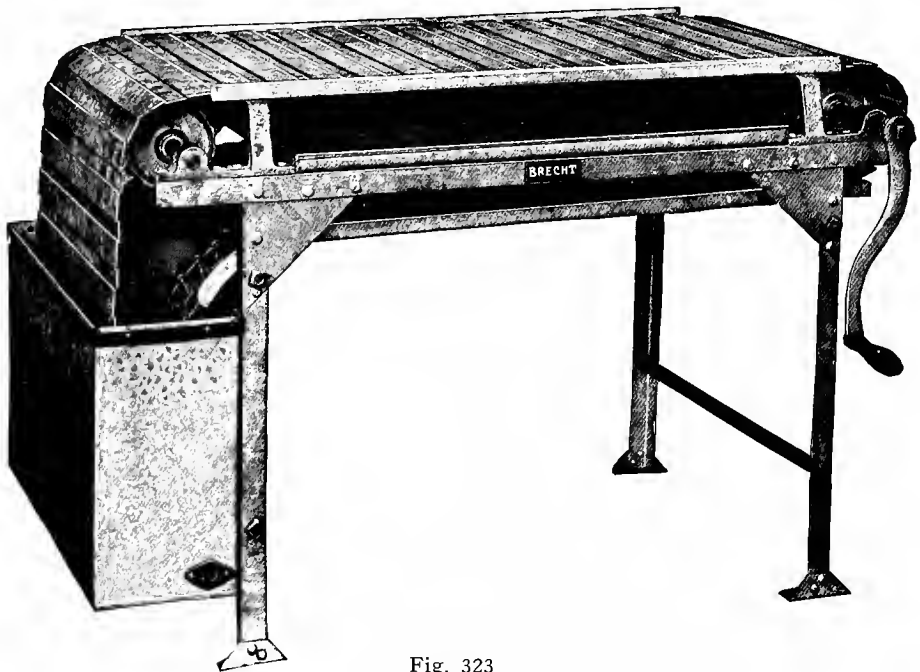


Fig. 323

Inspection Surface.....	48"x22"	Height	33"
Domestic Weight.....	310 lbs.	Displacement	48 cu.ft.
Export Weight.....	500 lbs.	Price	\$140.00
Floor Space.....	50"x30"	Code Word.....	Arabically

We can furnish the antiseptic tables if so desired.

THE BRECHT CATTLE HEAD INSPECTION TRUCK

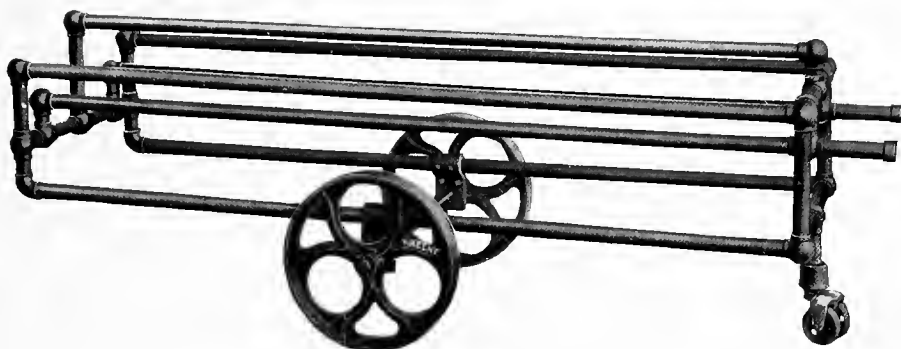


Fig. 445

Made of extra heavy galvanized pipe with all fittings galvanized, properly joined and screwed together; large wheel 18" diam., castor 8".

Length	7'0"	Domestic Weight.....	240 lbs.
Width	2'6"	Export Weight.....	350 lbs.
Height	3'0"	Price	\$80.00
Displacement	45 cu.ft.	Code Word.....	Arabigas

PAUNCH TRUCK

DIMENSIONS OF LIVER BOX

Length ..	20"
Width ...	6"
Depth ...	10½"



DIMENSIONS OF PAN

Length at Top	33"
Width	24"
Depth	10"

Fig. 346

The United States Department of Agriculture requires that all official establishments be provided with suitable receptacles for receiving paunches, entrails, etc., on the killing floor, so that these parts will not come in contact with the floor. This truck meets all the requirements. It is pushed under the beef while it is hanging on the beef tree and the butcher drops into it firstly the entrails, then the paunch and pluck and throws the liver into the box provided for it.

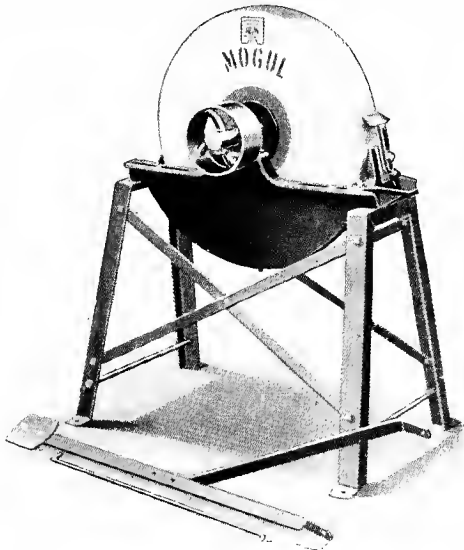
Domestic Weight.....	120 lbs.	Displacement	25 cu.ft.
Export Weight.....	175 lbs.	Price	\$32.50
Code word.....	Arabigo		

THE BRECHT
MOGUL STEEL FRAME POWER GRINDSTONE

Furnished With Foot Pedal When Desired

Stone of best quality Berea grit, 22-24" diam. x 3 to 3½" thick.

Frame is made of heavy steel angle iron strongly braced.



Has adjustable tool rest with drip tray draining into water pan.

Hand crank furnished with every stone.

Stone is mounted on heavy ball bearing journals which are dust and grit proof.

	Price
07 Mogul with foot power attachment	\$11.00
07 Mogul without foot power attachment	10.00
Pulleys 6"x3". Weight 200 lbs. Floor space 21"x31".	
Code Word.....Arabilem	

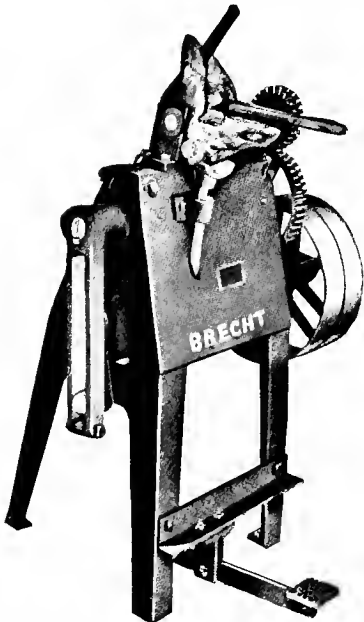


Fig. 468

IDEAL HOG JAW PULLER

Domestic Weight.....	400 lbs.
Export Weight.....	500 lbs.
Displacement	42 cu.ft.
Size Pulleys.....	18"x4"
Speed Pulleys.....	14 r.p.m.
Floor Space.....	36"x36"
H. P. necessary.....	1½
Price	\$140.00
Code Word	Arabilis

No jaws are broken with this machine.

THE BRECHT IMPROVED PIG'S FEET CLEANER

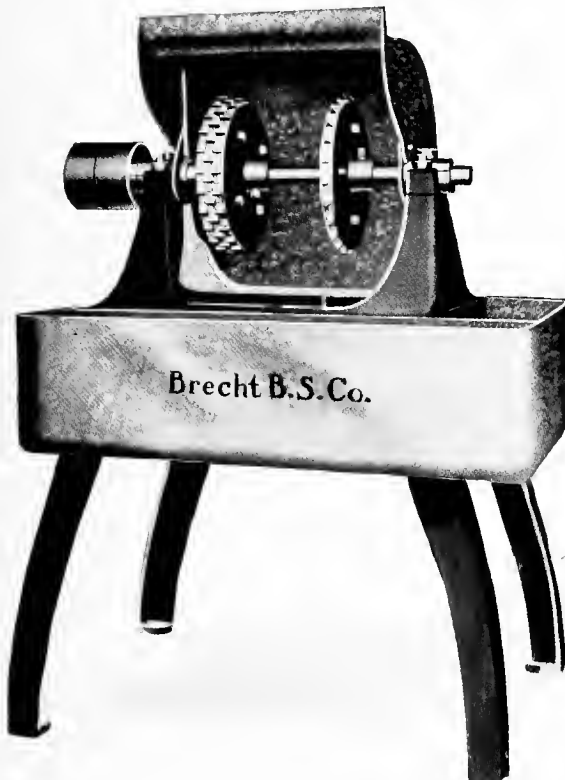


Fig. 451

This Shows the Wheels Set in the Frame.

This Shows the Construction of the Wheels

This machine, recently invented, consists of two rapidly revolving wheels of peculiar construction, placed on a suitable frame.

One of the wheels is narrow and pointed and is used for cleaning the portion of the feet under the little toes and between the large ones.

The broad or flat wheel is used for cleaning the other portions of the foot.

Absolutely no knife work required.

The little toes are automatically removed.

The total cost of cleaning is 12½c to 15c per hundred feet.

No feet destroyed or mutilated.

Only an instantaneous singe required after machine work.

Capacity of machine, with skilled operator, 350 feet per hour.

Domestic Weight..... 650 lbs.
Export Weight..... 900 lbs.
Displacement 65 cu.ft.

Floor Space..... 36"x48"
Pulleys 6"x3"
Speed of Pulleys... 1000-1200 r.p.m.

Machine complete, Price \$250.00.

Extra wheels per set, Price \$125.00.

Code Word, Arabique.

Code Word, Arabisch

THE BRECHT
PIG'S FOOT SPLITTING MACHINES

POWER PIG'S FOOT SPLITTER

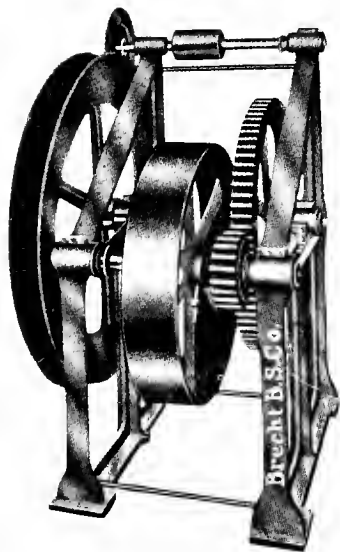


Fig. 422

Domestic weight	1200 lbs.
Export weight	1600 lbs.
Displacement.....	45 cu. ft.
Floor space	36"x60"
Size Pulley on driving shaft.....	30"x3½"
Speed Pulley on driving shaft.....	20 r.p.m.
H. P. required.....	5
Size Pulley on saw shaft.....	4" diam. x 8" face
Speed Pulley on saw shaft.....	2000 r.p.m.
Size of saw.....	14" diam.
Price.	\$210.00
Code word	Arabisches

HAND PIG'S FOOT SPLITTER

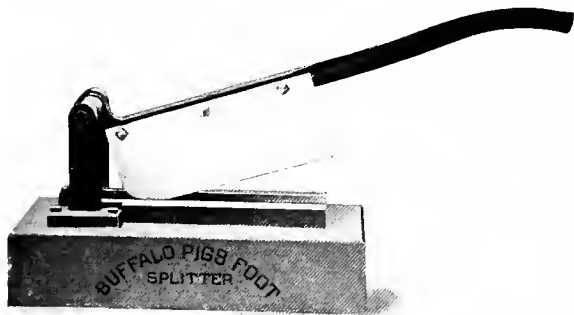


Fig. 423

A time and labor saving device for splitting pigs' feet, after boiled, for pickling.

Domestic weight.....	28 lbs.
Export weight	40 lbs.
Price.	\$9.00
Code word	Arabise

THE BRECHT IRON FRAME BONE SAW

Made with a heavy cast iron frame securely bolted together, strong, rigid and perfectly sanitary. Equipped with a hardwood top. When the bone is placed against the guard, the saw is brought forward quickly by the lever and returns automatically, ready for the next cut. Comes complete as shown in cut.



Fig. 312

Floor space	54" x 36"	Domestic shipping weight....	750 lbs.
H. P. necessary	4	Export shipping weight....	1000 lbs.
T. & L. pulleys.....	12" x 4"	Displacement.....	50 cu. ft.
Speed of pulleys.....	475 RPM	Price.....	\$250.00
Diameter of saw.....	18"	Code word	Arabistas
Price of Saw only.....		\$15.00	
Code word for Saw.....		Arabitae	

THE BRECHT
POWER BONE SAWS

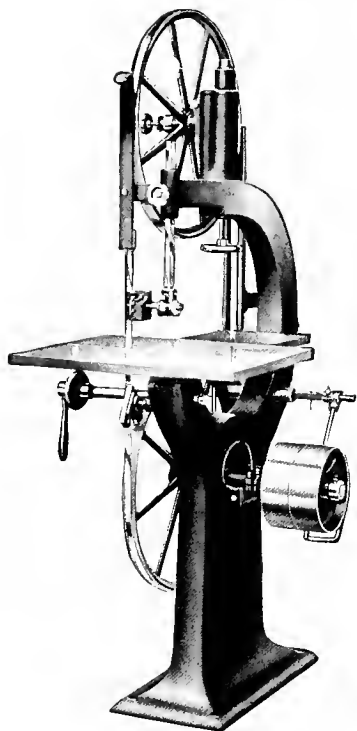


Fig. 452

Fig. 452

Size of band wheel.....	20"	26"
Size of table.....	18"x22"	22"x26"
Domestic weight.....	320 lbs.	590 lbs.
Export weight.....	470 lbs.	790 lbs.
Displacement.....	14 cu. ft.	24 cu ft.
Floor space.....	24"x30"	30"x40"
Height over all.....	67"	79"
H. P. necessary.....	1-1½	1½-2
T. & L. pulleys.....	7"x3"	10"x3"
Speed of pulleys.....	300-400 r.p.m	300-400 r.p.m
Price.....	\$40.00	\$80.00
Code word.....	Arabiton	Arabitones

EXTRA SAW BLADES

	Price	Code Word
Fig. 720.....10'5"x½"	\$1.25	Arabizaba
Fig. 820.....13'9"x½"	1.55	Arabizamos

Regular equipment consists of guides, brazing clamps and tongs, brazing material and one saw blade.

Either size machine can be furnished with direct motor drive, but when writing for price of motor driven machines state what electric current is available and of what voltage—if alternating, give the cycles and phases also.

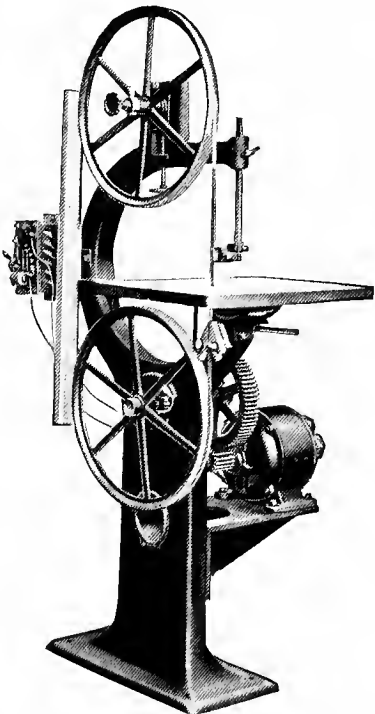


Fig. 453
MOTOR DRIVEN
Prices on application.

THE BRECHT FAT WASHERS

The Fat Washing Machine illustrated below is used for washing all kinds of guts, fats, etc. The amount of water required is less than was used with the old style fat washing tubs and the fat is not washed in the dirty water. Made with either perforated steel or wire cloth cylinders.

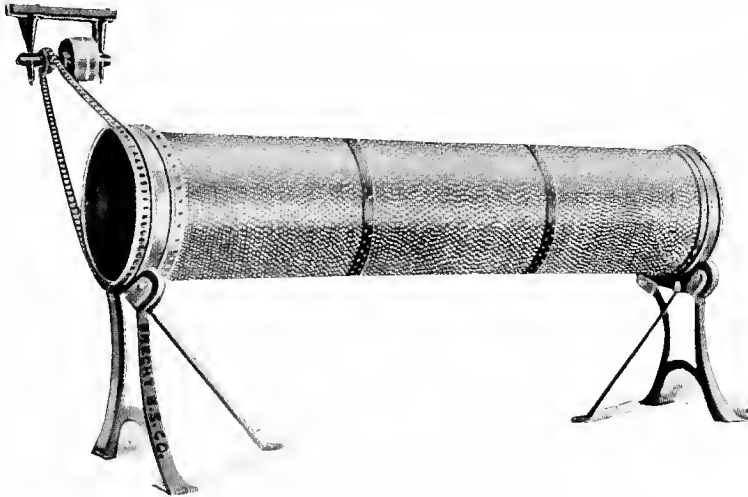


Fig. 315-A

FAT WASHER—PERFORATED STEEL—Fig. 315A

No.	Diam.	Length	Floor Space	H.P.	Dom. Weight	Exp. Weight	Dis- place- ment	Price	Code Word
1	3'0"	10'0"	10'6"x3'6"	1½	1800	2100	180 cu.ft.	\$350.00	Arabizando
2	3'0"	12'0"	12'6"x3'6"	2	2000	2400	190 cu.ft.	\$375.00	Arabizar

The cylinders of these washers are made of 3-16-inch perforated steel butt jointed, with ½-inch perforations.

FAT WASHER—WIRE CLOTH GALVANIZED—Fig. 315B

No.	Diam.	Length	Floor Space	H.P.	Dom. Weight	Exp. Weight	Dis- place- ment	Price	Code Word
1	3'0" one end 4'0" other end	10'0"	10'6"x4'6"	1	850	1150	160 cu.ft.	\$235.00	Arabizaron
2	3'0" one end 4'0" other end	12'0"	12'6"x4'6"	1½	1000	1400	180 cu.ft.	\$250.00	Arabizases

The cylinders of these washers are made of No. 12 plain wire cloth of ½-inch mesh, galvanized.

Both style washers come complete with counter shaft, equipped with tight and loose pulleys, 12-inch diameter by 3½-inch face, which should run from 115 to 120 r. p. m.

THE BRECHT BONE AND HEAD WASHER

Constructed with angle iron slats. Cast iron rings and legs, and comes complete with counter shaft, pulleys, etc. Standard length 8 feet, but can be furnished any desired length. The water lifted by the angle iron slats falls back onto the product, thoroughly cleaning it.

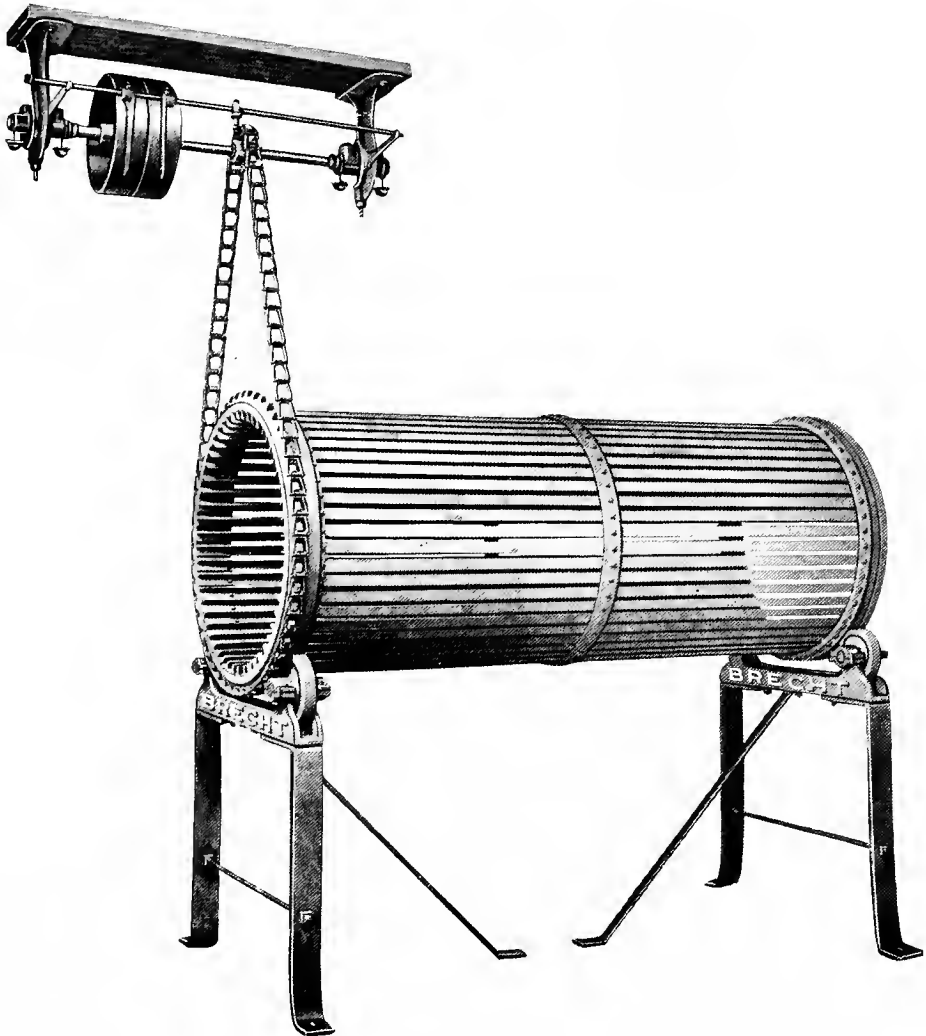


Fig. 310

Diameter of cylinder.....	36"	Length of cylinder.....	96"
Height of legs.....	35"	H. P. necessary.....	3
T. & L. pulleys.....	18"x4"	Speed of Pulleys.....	150 r.p.m.
Domestic shipping weight...	2000 lbs.	Export shipping weight....	2400 lbs.
Displacement.....	85 cu. ft.	Price.....	\$250.00
Code word.....		Arabizeis	

THE BRECHT BONE AND FAT WASHER (Suspended Type)

This bone washer is made with 1" mesh screening galvanized. The fat washer with $\frac{1}{2}$ " mesh screening galvanized. Made in two sizes, 36" diameter, by 10' and 12' long respectively. Complete with counter shaft, pulleys, etc. Speed of cylinder 35 to 40 r. p. m.

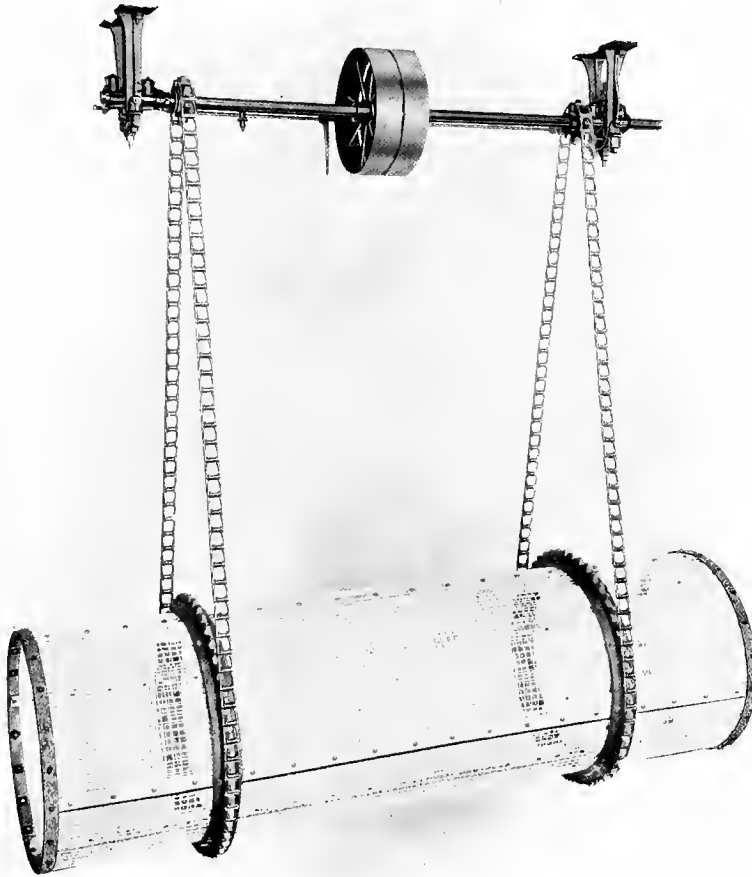


Fig. 316

FAT WASHER

	10 foot	12 foot
Size	36"x10'0"	36"x12'0"
Pulleys	20"x4"	20"x4"
Speed of Pulleys.....	120 r. p. m.	120 r. p. m.
H. P. Required.....	1½	2
Domestic Weight.....	1225 lbs.	1430 lbs.
Export Weight.....	1680 lbs.	1925 lbs.
Displacement	160 cu. ft.	185 cu. ft.
Price	\$238.00	\$265.00
Code Word.....	Arables	Araboutan

BONE WASHER

	10 foot	12 foot
Size	36"x10'0"	36"x12'0"
Pulleys	20"x4"	20"x4"
Speed of Pulleys.....	150 r. p. m.	150 r. p. m.
H. P. Required.....	1½	2
Domestic Weight.....	1350 lbs.	1550 lbs.
Export Weight.....	1800 lbs.	2050 lbs.
Displacement	160 cu. ft.	185 cu. ft.
Price	\$238.00	\$265.00
Code Word.....	Aracacha	Aracachiba

THE BRECHT
BONE RATTLER AND POLISHER

This machine will clean, wash and polish all kinds of bones, after they have been cooked in open tanks. The bone jelly which falls between the slats is sent to the steam rendering tanks. The machine is made with cast iron heads, the cylinder of selected oak or flat iron bars, and runs on antifriction rollers.

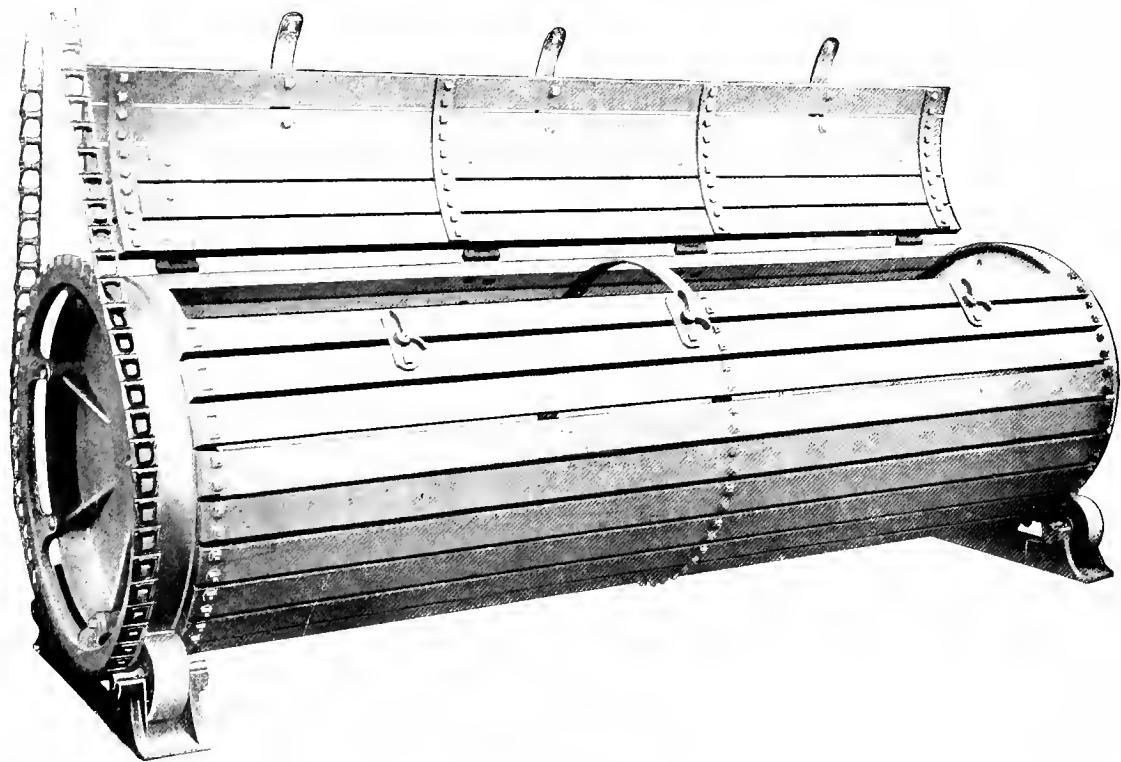


Fig. 311

We furnish the machine equipped with wood or flat iron slats for the same price.

Diameter of cylinder	36"	Domestic shipping weight . . .	2150 lbs.
Length of cylinder	120"	Export shipping weight	3000 lbs.
Floor space	41"x132"	H. P. required	3
T. and L. pulleys	20"x4"	Displacement	100 cu. ft.
Speed of pulleys	168 r. p. m.	Price	\$365.00
Code word, Wood Slat machine	Aracadel		
Code word, Iron Slat machine	Aracaeiro		

THE BRECHT CATTLE HEAD SPLITTER

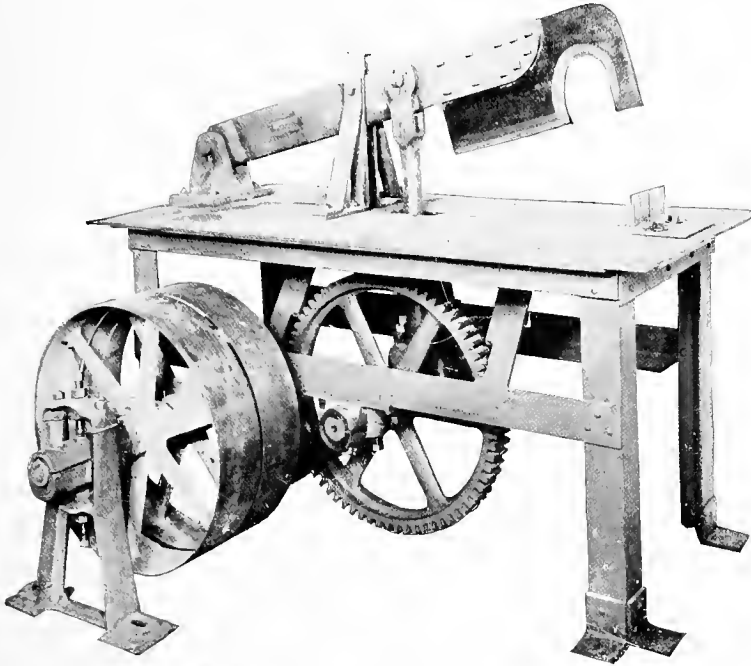


Fig. 420

Domestic Weight... 1500 lbs.
 Export Weight 1800 lbs.
 Displacement 80 cu. ft.
 Floor Space..... 60"x48"
 Size Pulleys..... 28"x6"
 Speed Pulleys..... 36 r.p.m.
 H. P. necessary..... 5
 Price \$300.00
 Code Word.....Aracahy

A heavy, strong machine which will split the skulls of the heaviest cattle.

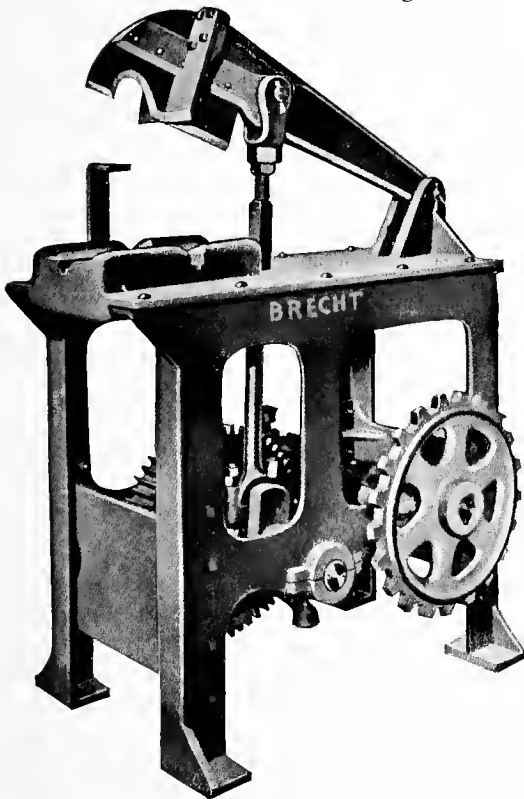


Fig. 421
ALL CAST IRON

HOG'S HEAD SPLITTING MACHINE

Domestic Weight..... 1100 lbs.
 Export Weight..... 1400 lbs.
 Displacement 60 cu. ft.
 Chain Required..... No. 78
 Sprocket Wheel..... 21 teeth
 Speed Sprocket Wheel..... 80 r.p.m.
 Floor Space..... 24"x60"
 Capacity per Hour..... 700 heads
 H. P. necessary..... 2½
 Price \$150.00
 Code Word Araceable

With or without cross knife, for cutting off snouts. A very strong and durable machine.

THE BRECHT
CATTLE PECK CUTTER

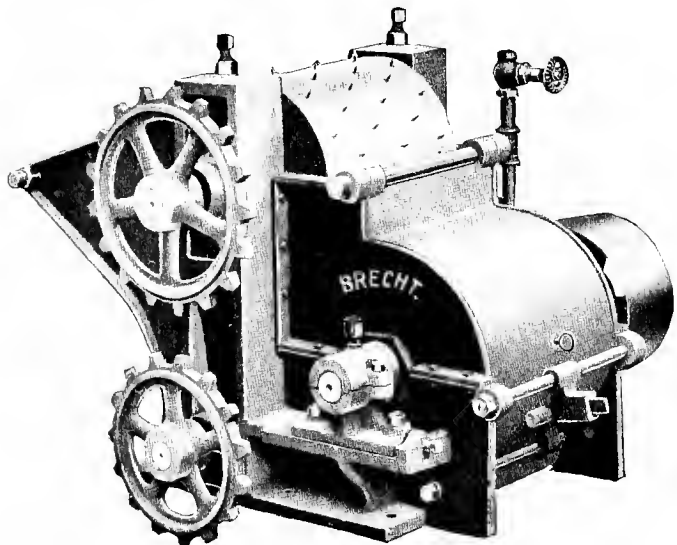


Fig. 423

This machine is used for hashing cattle pecks, cutting them up thoroughly before washing and tanking.

Domestic weight, 1150 lbs.; export weight, 1500 lbs.; displacement, 120 cu. ft.; floor space, 3'x4'8"; size pulley, 12"x6"; speed of pulley, 800 r. p. m.; sprocket chain No. 78. Price, \$240. Code word, Araceens.

HAIR WASHER AND PICKER
BOTH IN ONE MACHINE

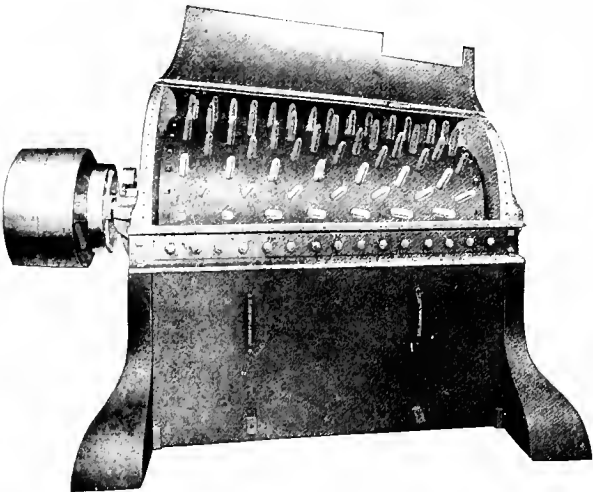


Fig. 424

Domestic Weight.....	5000 lbs.
Export Weight.....	6000 lbs.
Displacement	144 cu. ft.
Floor Space.....	72"x108"
Capacity one vat per day.....	2000 hogs
H. P. necessary.....	12-25
Size Pulleys.....	24"x7"
Speed Pulleys.....	500 r.p.m.
Price	\$615.00
Code Word.....	Arabissus

Equipped with feed table, automatic throwout and special toughened pins.

THE BRECHT IDEAL BELLY ROLLER

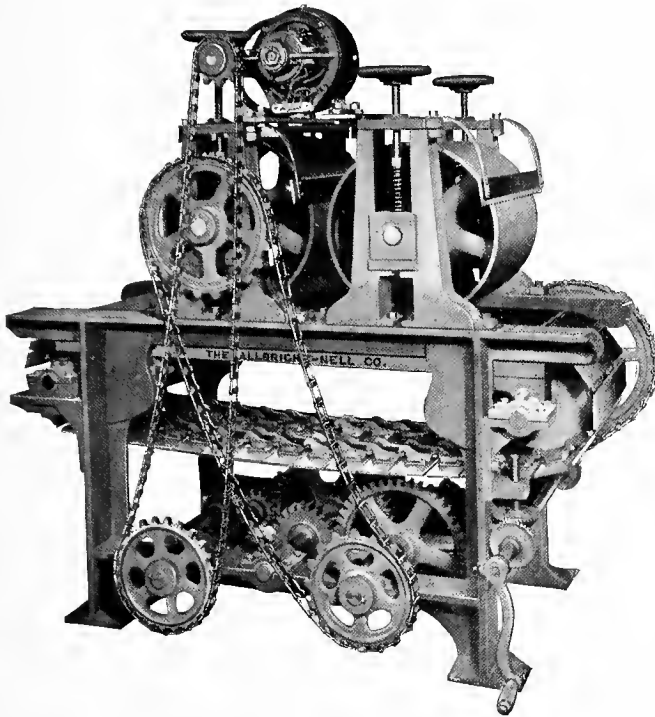


Fig. 425

Domestic Weight 4000 lbs.
 Export Weight 4500 lbs.
 Displacement 120 cu. ft.
 Floor Space 72"x48"
 Size Pulley 12"x6"
 Speed Pulley 120 r. p. m.
 Capacity per hour..... 2000 bellies
 H. P. necessary..... 2
 Price.....\$350.00
 Code Word.....Araceous

Specially adapted for frozen
 and curled up bellies. Practi-
 cally noiseless.

AUTOMATIC ENTRAIL CUTTER

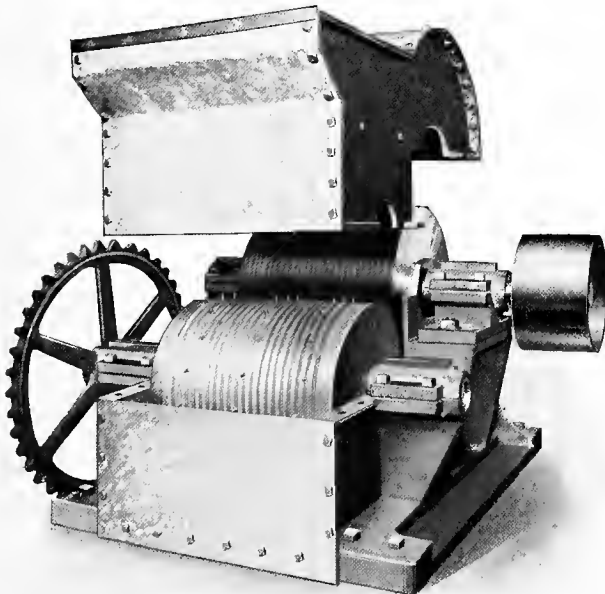
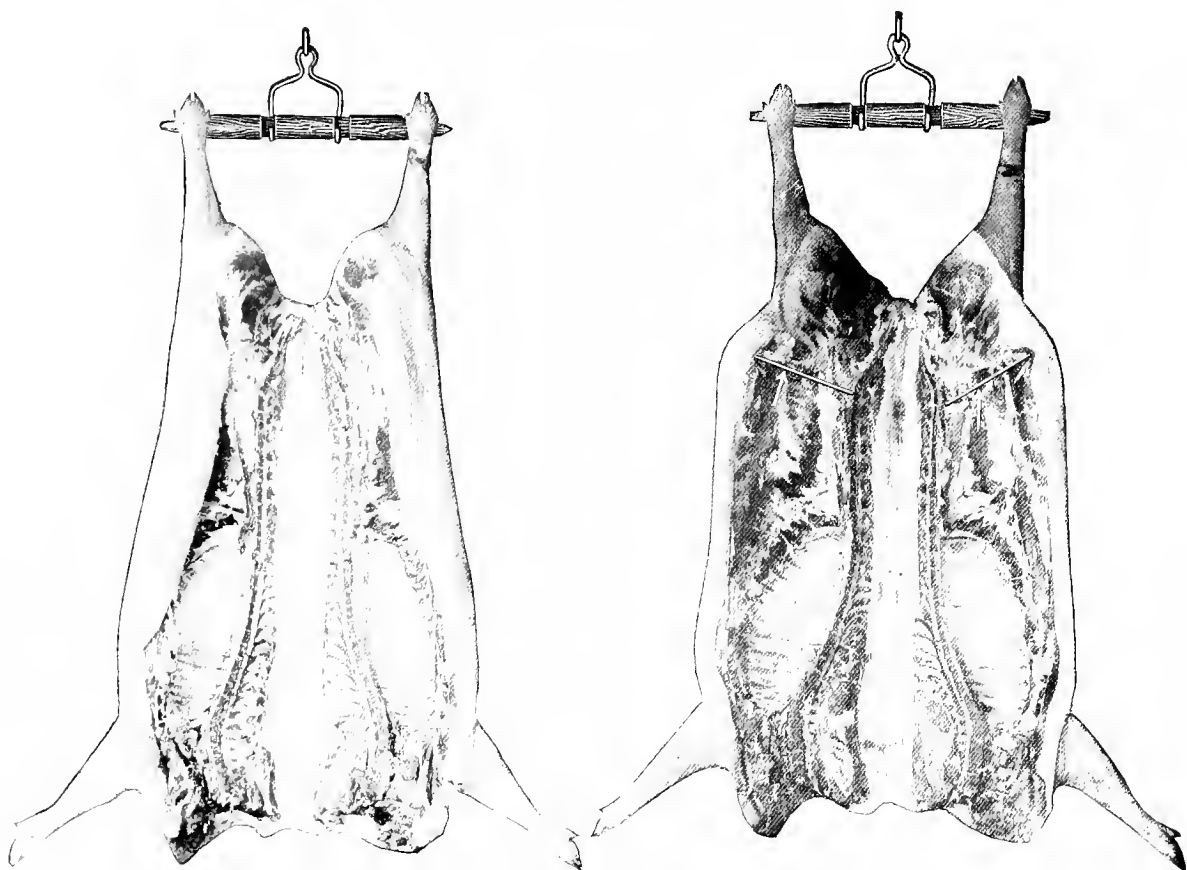


Fig. 426

Domestic Weight 400 lbs.
 Export Weight 500 lbs.
 Displacement 37 cu. ft.
 Floor Space 36"x48"
 Size Pulley 10"x6"
 Speed Pulley 800 r.p.m.
 Capacity per day 6000 hogs
 Size Sprocket..... 43 teeth
 Speed Sprocket 24 r.p.m.
 Number of Chain..... No. 62
 H. P. necessary..... 10
 Price \$325.00
 Code Word.....Arachide

THE BRECHT BELLY SPREADER



Note the difference when Brecht's "Belly Spreader" is used.

ADVANTAGES

These Spreaders will reduce the amount of trimming on Ham and Bacon cuts. They make a cleaner looking ham. You get from one and a half to two inches more Bacon length. By using the spreaders you are dropping the loose tissues of the ham down into the bacon. You can leave more hock on the ham because the fleshy end is clean and more free of fat. The entire ham takes on a better shape and appearance.

Made of round steel, with sheared points, and hot tinned.

Size No. 1, 9 inches long Price per 1000, \$35.00

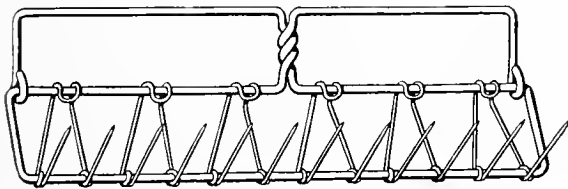
Size No. 2, 11 inches long Price per 1000, 40.00

(Discount in quantities.)

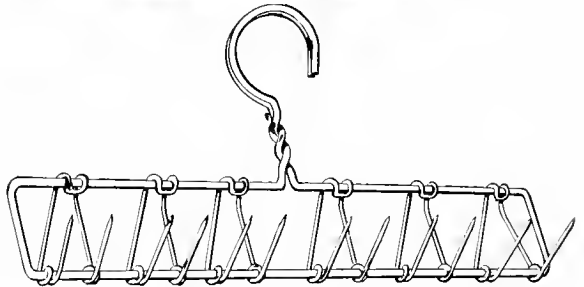
Code Word No. 1, Arachnida.

Code Word No. 2, Arachnobas.

Do you see how simple and rapid the operation?



With loop suspension to engage both arms of smoke tree.



With center hook suspension to engage one arm of smoke tree or a smoke stick

They have Flexible Teeth which adjust themselves to the bacon as it shrinks, allowing it to retain its original form.

They save you the loss caused by the use of old-fashioned hangers forming uneven end.

They do not require a skilled operator to engage them in the bacon—a boy can do it.

They do not make a black streak through your bacon when being removed, as points do not entirely penetrate the strip.

They are a decided improvement over the old styles—more practical, more convenient, more sanitary—no occasion to handle points.

They are made of high-grade tinned steel wire, easily cleaned and not affected by heat and smoke.

They can be used only as bacon hangers, thus never scattered around in other service and finally lost.

They are always taken care of, as any carelessness on the part of employees would be too obvious.

They are made in three lengths: 6-in., 8-in. and 11-in. with hook suspension, and 13-in. with loop suspension. The teeth are adjustable on frames to any length under these sizes.

They are the hangers of which we sold more than 500,000 during the past year.

LOOP HANGER

Size	Weight per 100	Cost per 100	Code Word
13"	85 lbs.	\$18.00	Arachnoid

CENTER HOOK HANGER

Size	Weight per 100	Cost per 100	Code Word
6"	55 lbs.	\$10.50	Arachosia
8"	60 lbs.	12.75	Arachotae
11"	75 lbs.	14.25	Arachthus

THE BRECHT RAIL DROPPERS

Made either single as shown by the illustration or double and used for lowering hog and cattle from the rail on one floor to the rail of a lower floor. Made in any height.

Double rail dropper is recommended because when one rail is dropping hogs or beef the other is in place ready to load.

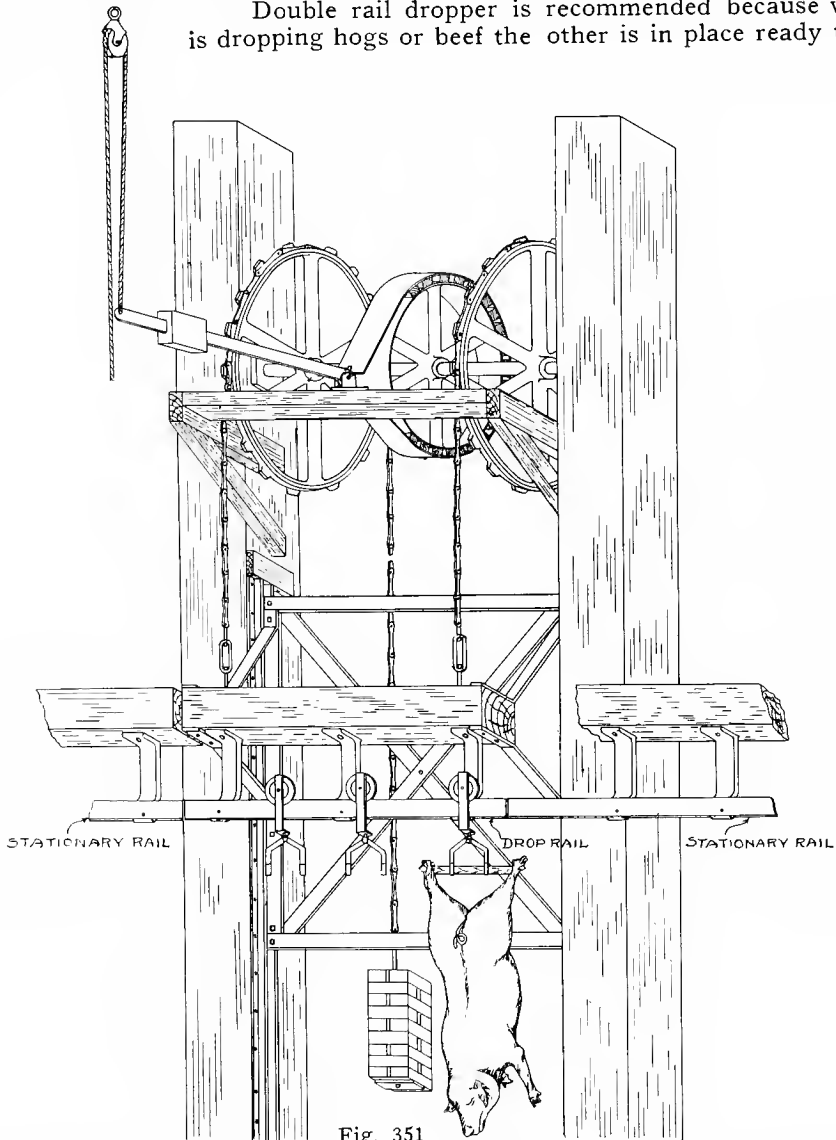


Fig. 351

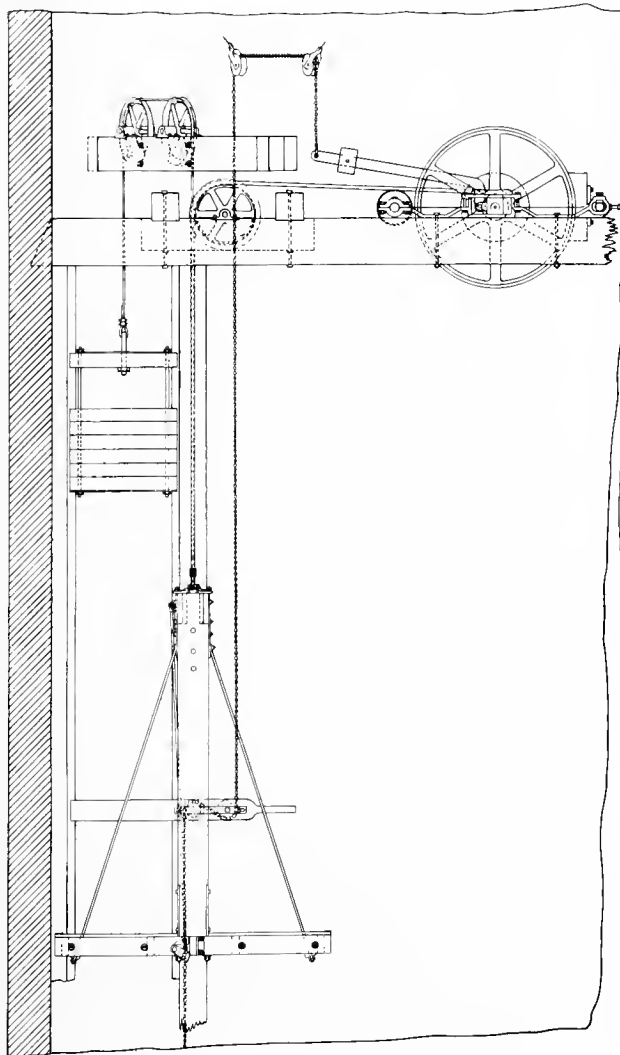
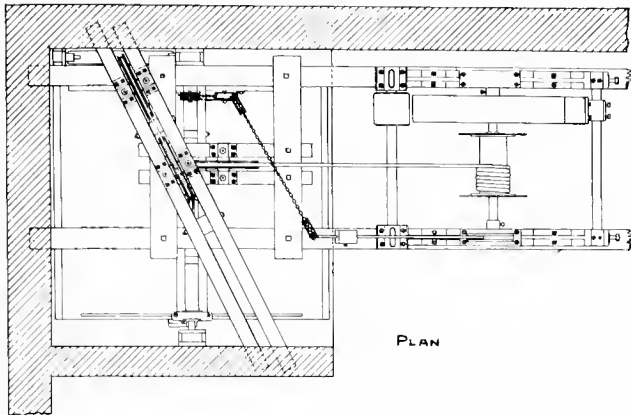
	Exp. Wt.	Dom. Wt.	Displacement	Price	Code Word
Single Dropper	1800 lbs.	1400 lbs.	70 cu.ft.	\$170.00	Arachti
Double Dropper	1850 lbs.	1500 lbs.	75 cu.ft.	\$180.00	Aracillum
Chain extra per lin. ft.		3 lbs.		\$1.00	Aracion
Posts extra per lineal foot, including angle iron guides		20 lbs.		\$0.70	Aracned

FURNISHED EITHER WITH WOOD OR ASBESTOS LINED BRAKES

THE BRECHT FRICTION ELEVATOR

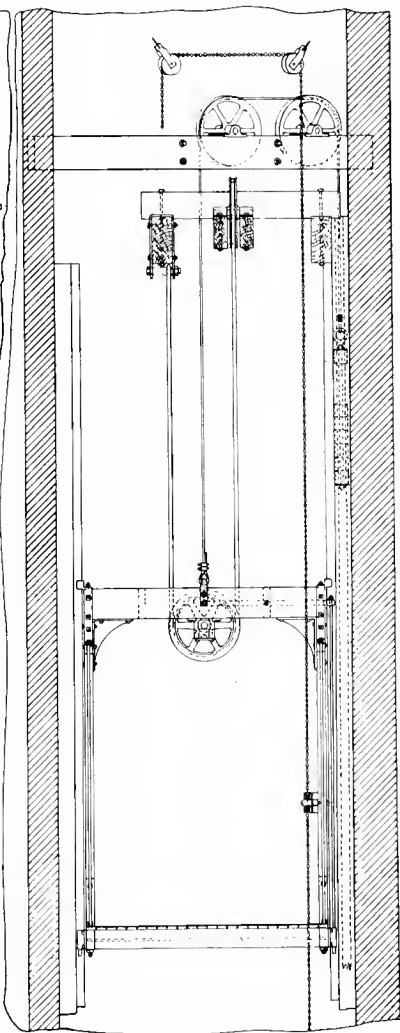
This Standard Packing House Friction Elevator is strong, well made and simple of operation.

When writing for prices, state for what service elevator is wanted, also give height of lift and size of car wanted.



SIDE ELEVATION

Fig. 447



FRONT ELEVATION

Fig. 447

THE BRECHT HAND LIFT ELEVATOR

This hand power elevator has a lifting capacity of 1500 lbs.

When writing for prices, state height of lift and size of car wanted.

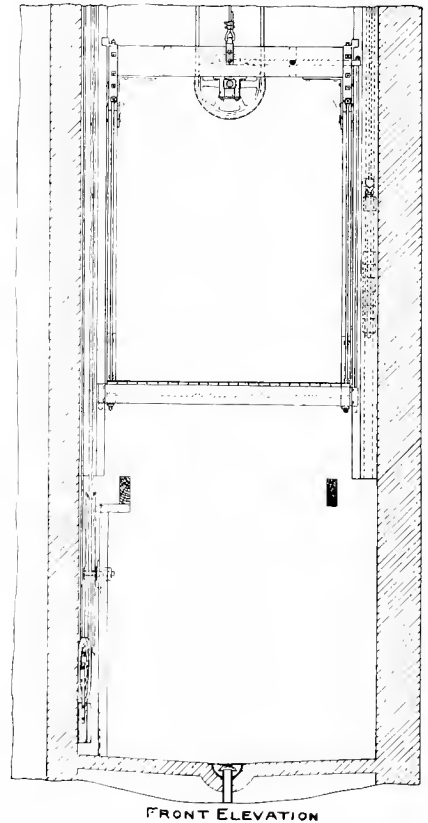
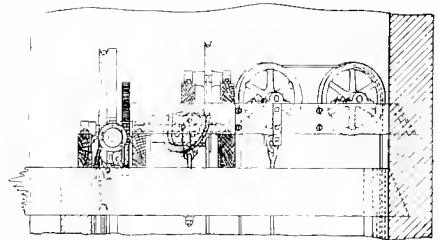
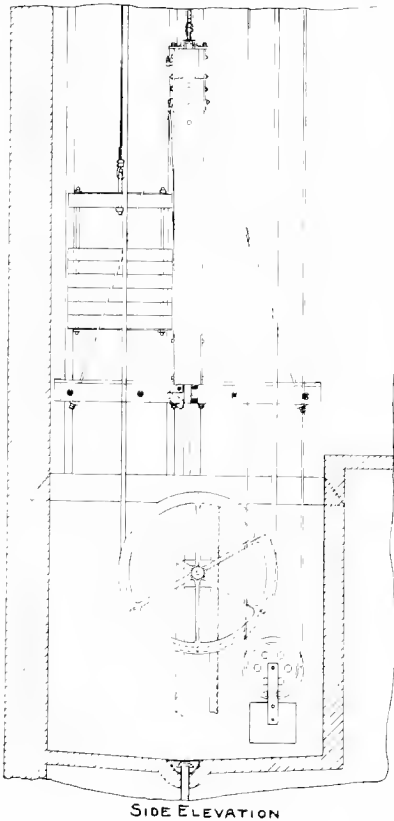
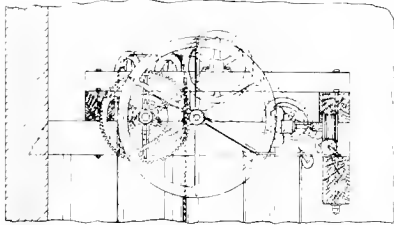
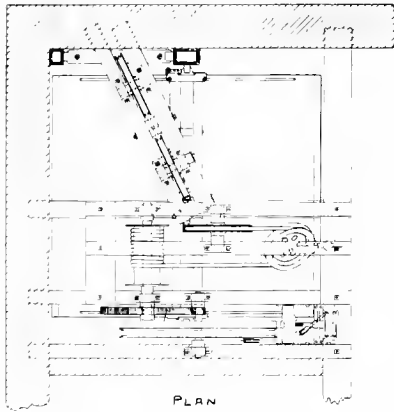


Fig. 448

THE BRECHT HOG CASING CLEANING MACHINE

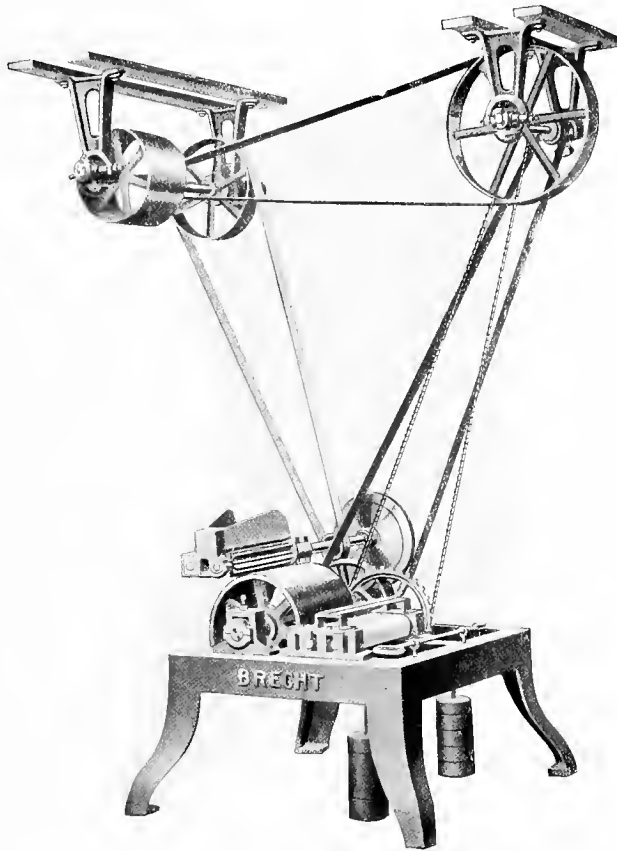


Fig. 444

We recommend this machine for cleaning hog and sheep casings. To lessen vibration all speed reductions have been taken care of in the countershaft.

Domestic Weight 2000 lbs.
 Export Weight 3000 lbs.
 Displacement 150 cu. ft.
 Floor Space..... 5'x6'
 H. P. necessary..... 2
 Capacity per hour..... 200 sets

Size Pulleys on countershaft..... 16"x5"
 Speed Pulleys on countershaft... 200 r.p.m.
 Speed of scraper shaft..... 900 r.p.m.
 Speed of Drum..... 8½ r.p.m.
 Price with countershaft..... \$400.00
 Code Word Aracnida

THE BRECHT
BEEF CASING CLEANING MACHINE

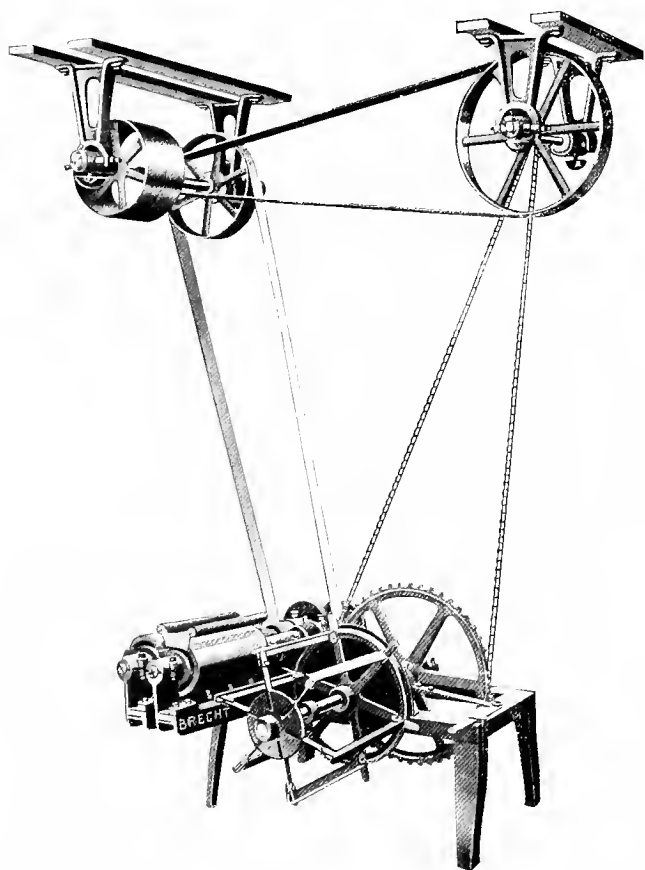


Fig. 443

These machines are generally used in sets of three. The first machine, which is equipped with rice root brushes, is used for fattening beef rounds and middles, before turning and after being stripped. The second machine is equipped with bristle brushes and is set for the first sliming of the rounds and the complete sliming of the middles. The third machine is also equipped with bristle brushes, and is used for finishing the sliming of the rounds. A set of three machines would have a capacity of from 400 to 500 cattle daily, the addition of a fourth machine would increase the capacity to 750 cattle.

A single machine will do all of the work on the casings, but it would be necessary to change it for each of the different operations.

In plants where only one machine is used one rice root brush and one bristle brush are used together and are furnished with the machine.

Domestic Weight	2000 lbs.	Size pulleys on countershaft.....	18"x6"
Export Weight	3000 lbs.	Speed pulleys on countershaft...	200 r.p.m.
Displacement	150 cu. ft.	Speed of brushes.....	1350 r.p.m.
Floor Space	72"x72"	Speed of reel.....	6 r.p.m.
H. P. necessary.....	2		

Price complete with countershaft...\$450.00
Code Word.....Aracnoides

THE BRECHT
HIGH-GRADE STICKING, BONING AND SKINNING KNIVES

THE BRECHT SPECIAL STICKING KNIFE



These special knives are made of the finest Sheffield double shear steel, hand hammered and hand ground; have ebony handles with large brass rivets. Every knife guaranteed. If they are not satisfactory you can return them and get your money. Made in 6-inch length only.

Price\$1.00 Code Word
Aracnologo

THE BRECHT SPECIAL BONING KNIFE



These special Boning Knives are made of the same high-grade material as the stickers; have finely tapered blades; best pattern made. Every knife guaranteed.

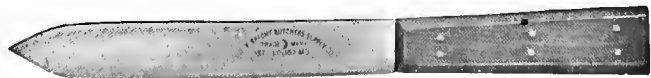
Price\$1.00 Code Word
Aracthias

GENUINE "THE BRECHT" BONING KNIVES



	Price	Code Word
Length of Blade 5".....	\$0.25	Aracuan
Length of Blade 5½".....	.30	Aracusia
Length of Blade 6".....	.35	Aracuyas
Length of Blade 6½".....	.40	Aracyntho
Length of Blade 7".....	.45	Aracynthus

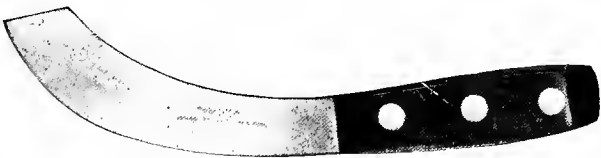
THE BRECHT "STANDARD" STICKING KNIFE



	Price	Code Word
Length of Blade 5".....	\$0.25	Aradego
Length of Blade 5½".....	.30	Araduras
Length of Blade 6".....	.35	Araeocere
Length of Blade 6½".....	.40	Araeometer
Length of Blade 7".....	.45	Araeope

THE BRECHT
HIGH-GRADE SKINNING KNIVES
DIAMOND EDGE

THE BRECHT SPECIAL SKINNING KNIFE



The handle is cocoa wood and brass screw riveted. The end of handle has a bevel, coming to a point in center, the great value of which every user of a skinning knife knows so well.

For clean and swift skinning The "Brecht Special" Skinner is unequaled. Every knife guaranteed.

Price	Code Word
\$1 00	Araeoxene

THE BRECHT "STANDARD" SKINNING KNIFE
WITH BEECHWOOD HANDLES



	Price	Code Word
Length of Blade 5"	\$0.25	Araestlos
Length of Blade 5½" .....	.30	Aragadz
Length of Blade 6" .....	.35	Aragaico
Length of Blade 6½" .....	.40	Aragale
Length of Blade 7" .....	.45	Aragem

When ordering, be sure to mention The Brecht "Standard" Skinning Knife.

GENUINE RUSSELL SKINNING KNIVES

	Price	Code Word
Length of Blade 5"	\$0.30	Aragarsari
Length of Blade 5½" .....	.35	Aragonais
Length of Blade 6" .....	.40	Aragonita
Length of Blade 6½" .....	.45	Araguato
Length of Blade 7" .....	.50	Araicnoide

GENUINE WILSON SKINNING KNIVES

	Price	Code Word
Length of Blade 5"	\$0.30	Araignon
Length of Blade 5½" .....	.35	Arainae
Length of Blade 6" .....	.40	Arajano
Length of Blade 6½" .....	.45	Arakan
Length of Blade 7" .....	.50	Arakflesch

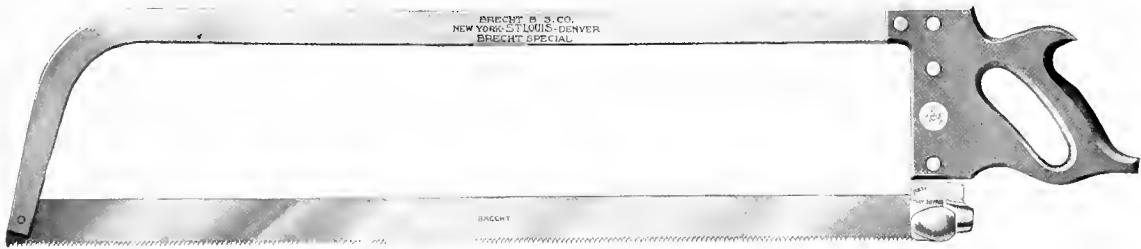
THE BRECHT
HIGH-GRADE BEEF SPLITTING SAWS

BEEF SPLITTING SAW WITH DOUBLE HANDLES



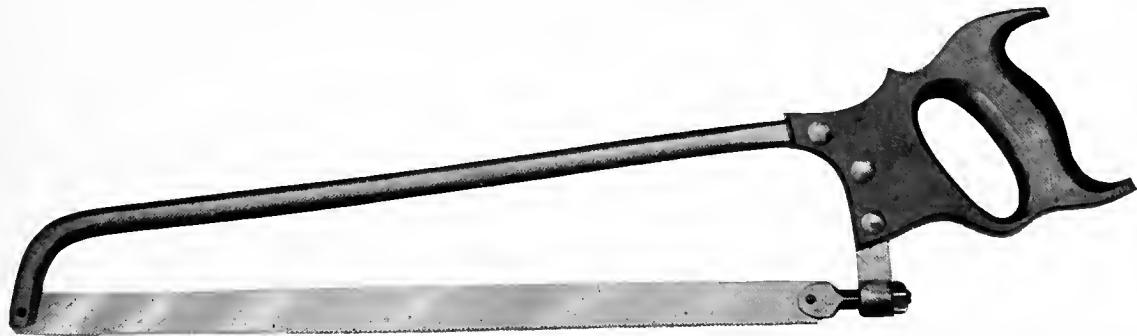
	Price	Code Word
Length 33".....	\$6.00	Arakos
Length 36".....	6.50	Arakvat

THE BRECHT SPECIAL SPLITTING SAWS No. 1



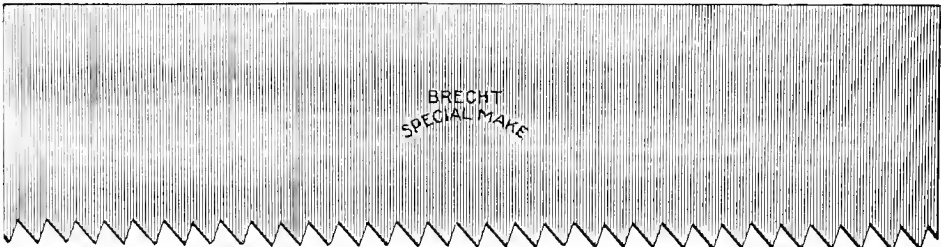
	Price	Code Word
Length 24".....	\$2.80	Araliaceas
Length 26".....	2.90	Araliaceo
Length 28".....	3.00	Aramaca
Length 30".....	3.25	Aramaique

PORK PACKER'S SAW—GENUINE DISSTON



	Price	Code Word
Length 14".....	\$1.60	Aramaisme
Length 16".....	1.70	Arambage
Length 18".....	1.80	Aramber

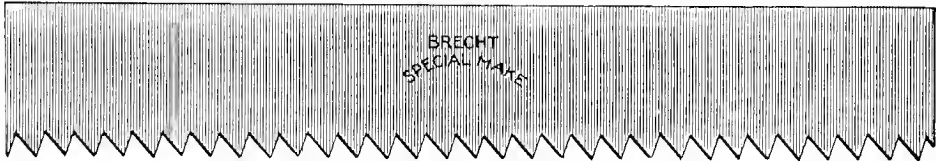
THE BRECHT
“SPECIAL” IMPORTED FRENCH SAW BLADES
BLADES FOR BEEF SPLITTING SAWS



2 inches wide; 10 teeth to inch; for saw with double handles.

Length, inches.....	33	36		
Price.....	\$1.50	\$1.65		
1 1/4 inches wide; 10 teeth to inch; for No. 1.				
Length, inches.....	24	26	28	30
Price.....	\$1.20	\$1.30	\$1.40	\$1.50

BLADES FOR PORK SPLITTING SAWS

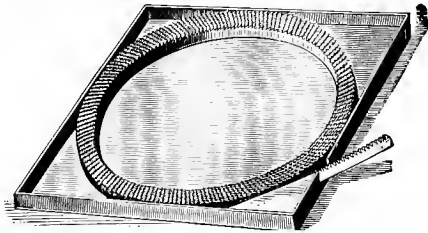


7/8 inch wide; 10 teeth to inch.

Length, inches.....	14	16	18
Price.....	\$0.65	\$0.70	\$0.75
5/8 inch wide; same price as 7/8 inch wide.			

BUTCHER SAW BLADES IN COILS

These are absolutely the best
saw blades that money
can buy.



Put up in cardboard boxes.
Coils are 25 feet long.

Blade 5/8" or 7/8" wide, 10, 12 or 14 teeth to inch. Per coil	\$5.00
---------------------------------------------------------------------	--------

SCRIBE SAWS



PORK SCRIBE SAW

With Malleable Iron Frame.

Price	\$1.25	Code Word Araneose
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BEEF SCRIBE SAWS

Made of Hardwood. Covered both sides with
Galvanized Iron.

Price	\$2.25	Code Word Araneologo
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KILLING HAMMERS AND AXES

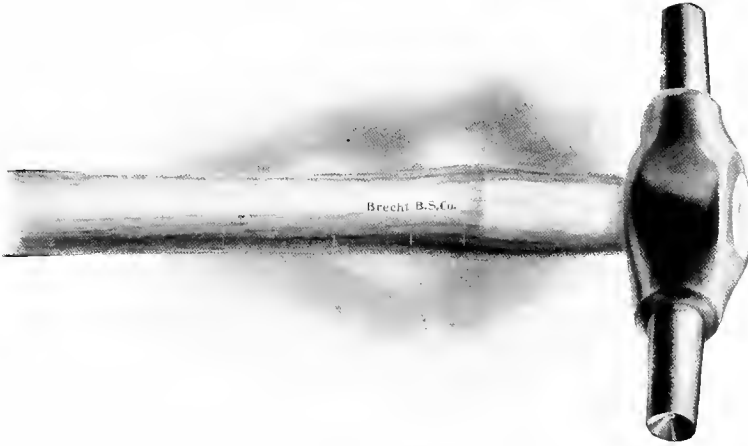
BEEF KILLING HAMMER



With handle; weight, $4\frac{3}{4}$ lbs.; length, 3 feet. Price\$0.75
Without handle. Price..... .60

Code Word
Arambossa
Aramean

HOG KILLING HAMMER

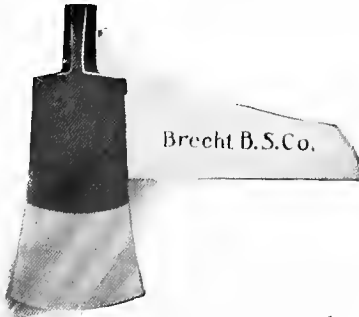


The body of above Hammer is made of cast steel and the two points or ends of high-grade tool steel and oil tempered. It is very light, weighing only about two pounds. The concave points, as shown in illustration, compress the air and enter the skull of the hog with the lightest blow, avoiding the glancing of the old-style hammers.

With hickory handle; weight $2\frac{3}{4}$ lbs.; length, $2\frac{1}{2}$ feet. Price.....\$2.50
Without handle. Price..... 2.25

Code Word
Aramenha
Aramenti

KILLING AXES

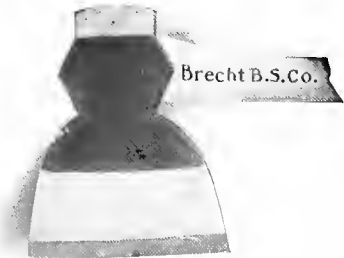


High Grade Steel

With Handle; weight, $6\frac{3}{4}$ lbs.; length, 35 inches.....\$2.50
Without handle..... 2.25

Code Word
Aramichos
Arameenes

MEAT HATCHETS



7-inch cut, with handle; weight, 4 lbs.; length 18 inches....\$2.50

Code Word
Aramism

THE BRECHT CELEBRATED STEELS

DAMASCUS TEMPERED

GENUINE BRECHT'S STEELS

ROSEWOOD HANDLE AND OCTAGON GUARD

Inch	.....	9	10	11	12	13	14	15	16
Price	.....	\$1.00	\$1.15	\$1.25	\$1.40	\$1.50	\$1.75	\$2.00	\$2.25

Code Word, Aranabas.

GENUINE WILSON STEELS

BUCK HORN HANDLE

Inch	.....	10	12	14
Price	.....	\$1.25	\$1.50	\$2.00

Code Word, Aranariais.

GENUINE WILSON STEELS

ROSEWOOD INLAID HANDLE

Inch	.....	10	12	14
Price	.....	\$1.25	\$1.50	\$2.00

Code Word, Aranrian.

GENUINE DICK STEELS

No. 22

Stag Handle

Nickel Bolsters and Rings.

14 inches long. Price.....\$3.50

Code Word, Aranata.

No. 169

Carved Buffalo Horn Handle.

Nickel Bolsters and Ring.

14 inches long. Price.....\$4.25

Code Word, Aranazos.

No. 23

Fine Ebony, Silver Inlaid

Hexagon Handle, with Silver Trimmings.

14 inches long. Price.....\$5.50

Code Word, Arancada.

No. 240

Fancy Buffalo Horn, Silver Inlaid

Hexagon Handle, with Silver Trimmings.

14 inches long. Price.....\$5.50

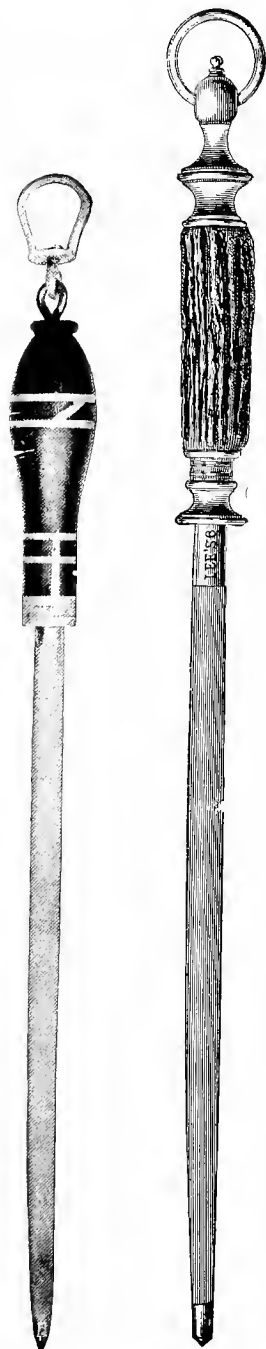
Code Word, Arancagua.



Brecht's
Steel
Rosewood
Handle



Wilson Steel
Buck Horn
Handle



Wilson Steel
Rosewood
Inlaid
Handle

Dick Steel
No. 22
Stag Handle

THE BRECHT KNIFE POUCHES AND BELTS



No. 3

No. 1.—Black Leather	\$1.50	Code Word Aranceles
No. 2.—Red Leather, fancy carved	2.00	Arancia
No. 3.—Red Leather, extra fancy, like illustration	2.50	Aranciato

THE WESTERN KNIFE POUCH AND BELT



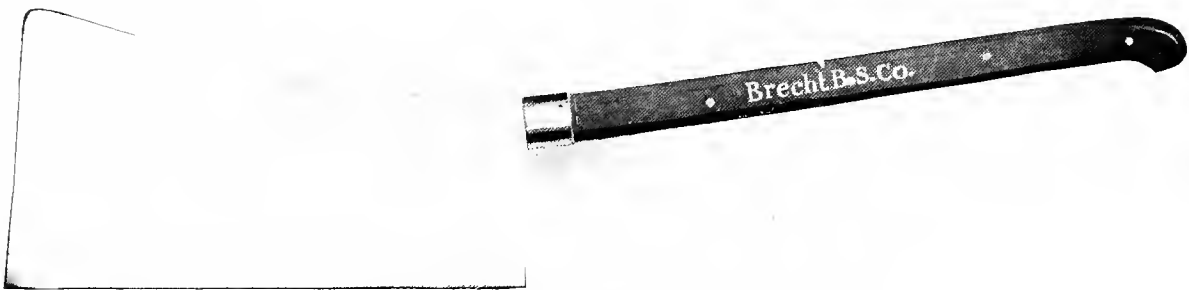
ALL LEATHER

Strong and durable. Made of extra heavy, high-grade material; broad belt and roomy, convenient pouch. Will last for years.

Price	\$3.00	Code Word Aranciera
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GENUINE FOSTER'S SPLITTERS

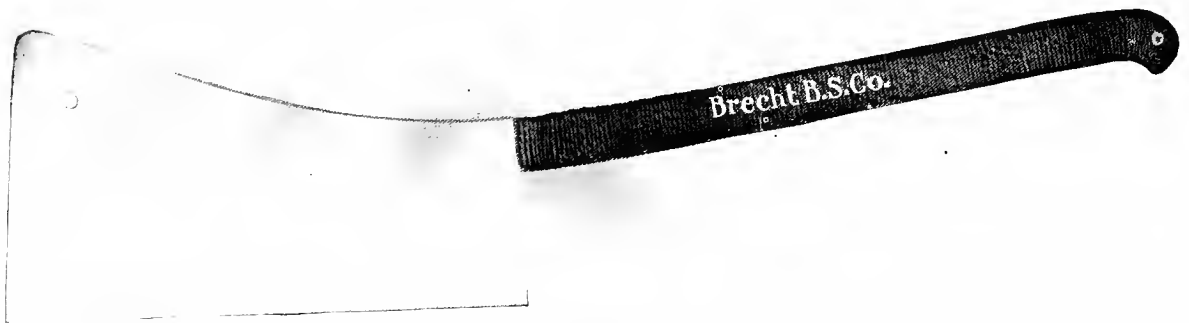
FOSTER'S No. 4—FLAT RIVETED HANDLE



FOSTER'S No. 4

			Code Word
12-inch cut.	Price.....	\$4.00	Arancione
13-inch cut.	Price.....	4.50	Arandanedo

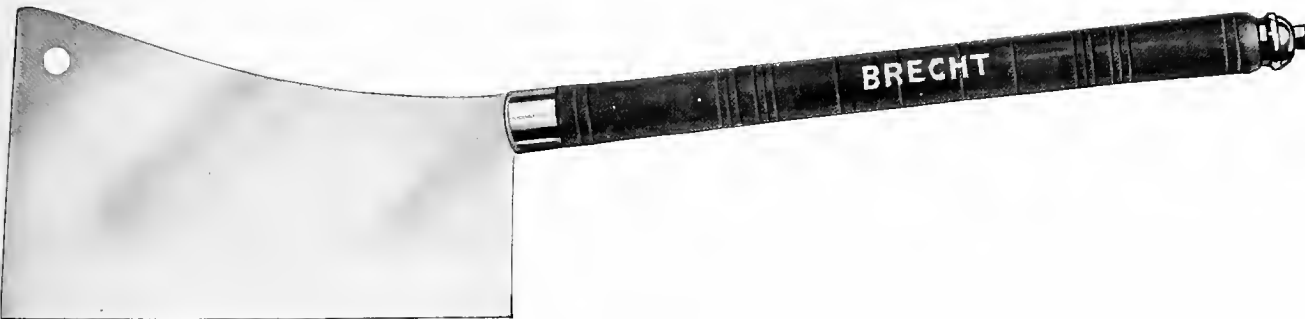
FOSTER'S No. 1—WRAPPED IRON HANDLE



FOSTER'S No. 1

			Code Word
12-inch cut.	Price.....	\$3.75	Arandano
13-inch cut.	Price.....	4.00	Arandillos
14-inch cut.	Price.....	4.50	Arandolo

THE BRECHT
BEEF AND PORK SPLITTERS
EXTRA QUALITY HIGH GRADE STEEL
BEEF SPLITTER

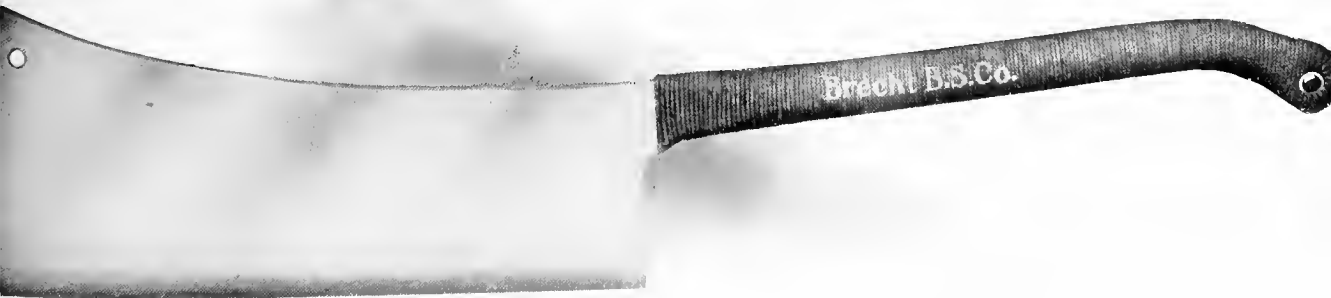


BEEF SPLITTER

Made Very Strong and Durable.
Code Word, Araneantem.

	Price
12-inch cut, 14-inch handle.....	\$3.00
12-inch cut, 18-inch handle.....	\$3.50

PORK SPLITTER—WRAPPED IRON HANDLE



PORK SPLITTER

Code Word, Aranteantis.

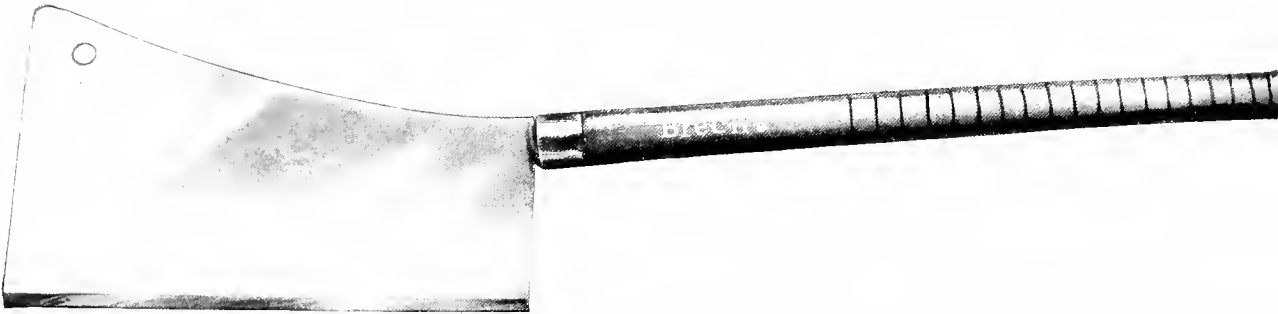
Length of cut, inches.....	18	20	22	24	26	28
Price	\$4.50	\$5.40	\$6.30	\$7.20	\$8.10	\$9.00

Code word indicates Cleaver only. In ordering, state length wanted.

THE BRECHT
“SPECIAL” PACKING HOUSE SPLITTERS

“SPECIAL” BEEF SPLITTERS

GUARANTEED TO BE THE BEST SPLITTING CLEAVER IN THE MARKET



SPECIAL BEEF SPLITTER

		Code Word
13-inch cut, 20-inch handle; weight, 7 lbs. 12 ozs.....	\$4.00	Araneorum

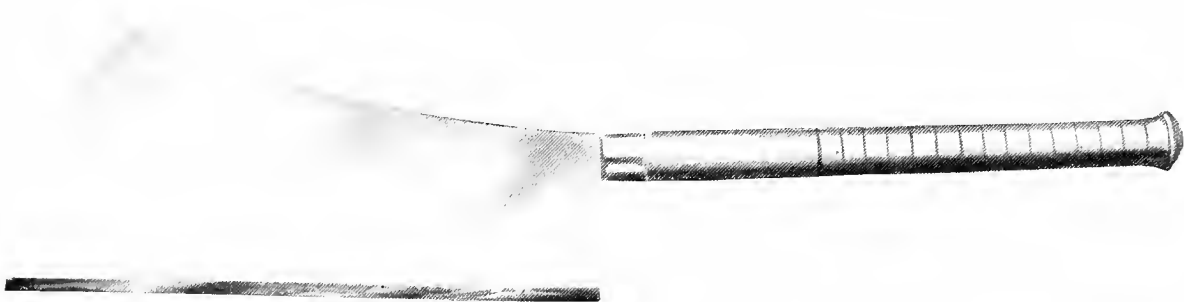
CHICAGO STYLE SPLITTERS—FOSTER MAKE

13-inch cut, 19-inch handle; weight, 8 lbs. 3 ozs.....	\$3.75	Araneidae
--------------------------------------------------------	--------	-----------

VETTER STYLE SPLITTERS—FOSTER MAKE

13-inch cut, 19-inch handle; weight, 7 lbs. 3 ozs.....	\$3.75	Araneifere
--------------------------------------------------------	--------	------------

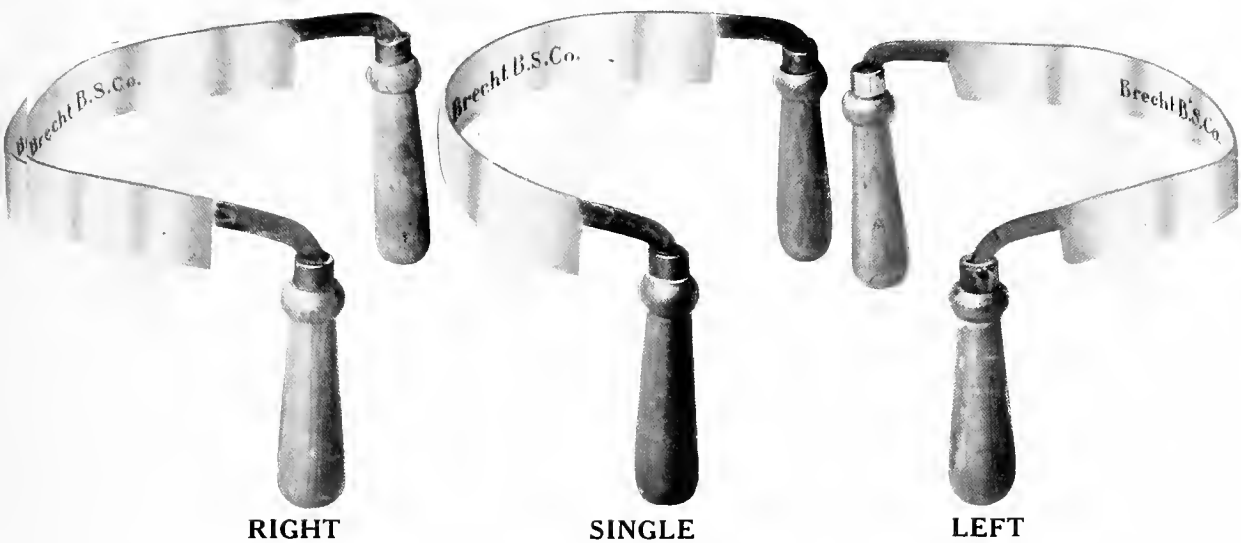
“SPECIAL” PORK SPLITTERS
THE BRECHT SPECIAL PORK SPLITTER
EXTRA FINE QUALITY—GUARANTEED



SPECIAL PORK SPLITTER

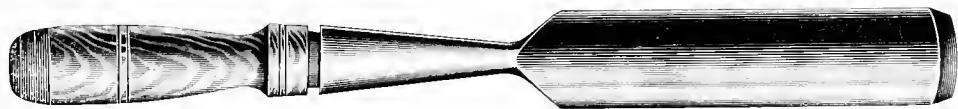
		Code Word
15-inch cut, 15-inch handle; weight, 5 lbs. 4 ozs.....	\$2.50	Araneiform

PACKERS' LOIN KNIVES
AND SCRIBE SAWS



Right and Left Loin Knives, per pair.....	\$6.00	Code Word
Price Single Loin Knives, each.....	3.00	Aranelle
		Araneolis

CRESCENT HAM BONING CHISEL

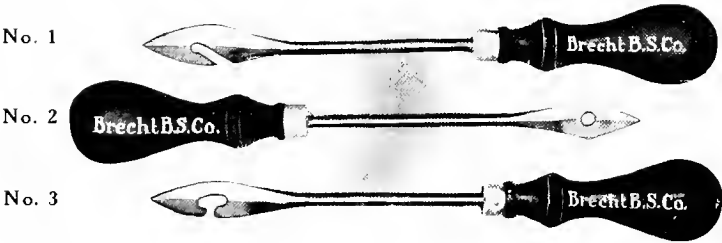


6½ inch Blade—English Tool Steel.
Weight per dozen, 10 lbs. Price, \$2.00. Code Word, Archegayas.

BONERS' BELTS AND TONGS

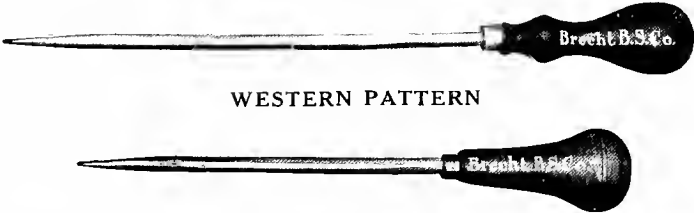
Leather Padded Belts with steel forged tongs.....	\$7.00	Code Word
		Araneosum

THE BRECHT
HAM STRINGERS



No. 1—Price	\$0.50	Code Word
No. 2—Price .....	.50	Arangoes
No. 3—Price .....	.50	Araniego
		Aranuelas

HAM TRIERS



Western pattern. Price	\$0.50	Code Word
Eastern pattern. Price .....	.50	Aranuelo
		Aranyos

RIB SPADES



Price	\$2.50	Code Word
		Aranzadas

SHOULDER BLADE SPADES



Price	\$1.25	Code Word
		Anranzel

THE BRECHT
STEEL HOOKS



No. 4—Extra Heavy, Double Fork.

Price\$1.00 Code Word
Arapabaca



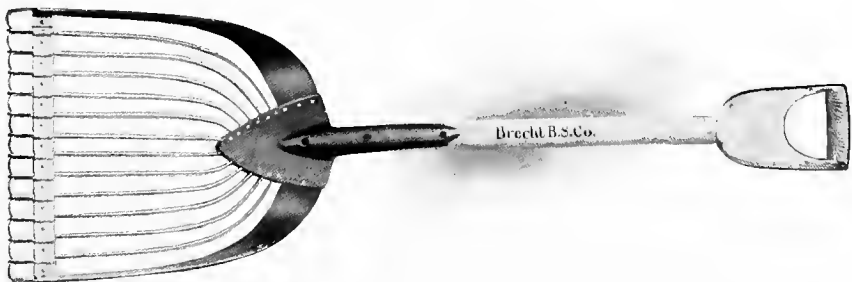
Made of Steel and heavily Tinned

No. 1—Short, light..... Price \$0.40
No. 2—Short, heavy..... Price .50
No. 1—Code Word.....Arapede
No. 2—Code Word.....Arapennem



No. 5 Extra Long, for handling Hogs in Scalding Tub.....\$1.50 Arapaima
SPECIAL SIZE HOOKS MADE TO ORDER

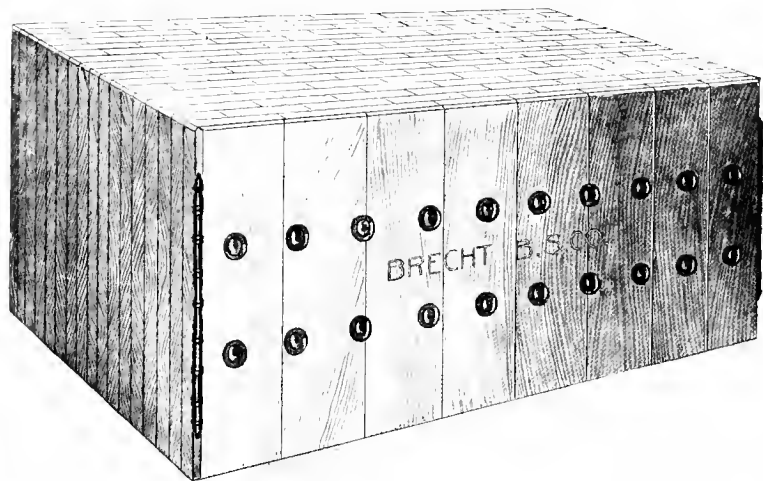
SIEVE SHOVEL



Most convenient and practical tool for taking livers, heads and any cooked meats out of boiling vat or kettle. Weight 7 pounds. Size of shovel, 17x14; handle, 40 inches.

No. 85.....\$2.25 Price Code Word
Arapennis

OBLONG HOG SPLITTING BLOCK



Made of sectional Rock Maple, thoroughly seasoned and Steel Bolted both ways. Made extra strong and solidly built. Any size made to order. Prices upon application.

Code Word, Araphia.

PATENTED FOUNTAIN BRUSH



A very substantial and satisfactory fountain brush. Used for washing beef while on the dressing rail; block 7 by 3 inches; rice root, with 1/4-inch iron pipe connection; weight per dozen, 10 lbs.

Price, per dozen.....\$10.00

Code Word
Arapiles

MEAT FORKS



MADE OF STEEL, WITH HEAVILY TINNED FORK

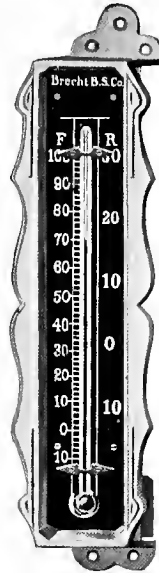
4 feet long, 3 prongs; weight, 4 lbs. Price.....\$1.25
3 feet long, 3 prongs; weight, 3 lbs. Price.....1.00
2 feet long, 2 prongs; weight. 2 lbs. Price......75

Code Word
Arapoca
Arapunga
Araquara

THERMOMETERS AND HYDROMETERS

COLD STORAGE THERMOMETERS

- No. 1509—Metal frame cellar thermometer. Price\$2.50 Ararauna
- No. 1603—Cold storage thermometer protected in 14-in. wood frame, designed for screwing to wall. Large numbers on scale and easy to read. Price\$1.75 Arasement
- No. 1604—12-in. V-shaped oak frame, metal scale thermometer, 0 to 100 degrees F., especially accurate at 30 to 35 degrees F., with hole at top for attaching chain for letting down in inaccessible places, especially holds of vessels in which meats are stored in transit; the tube and the bulb being well protected. Price.....\$3.50 Arassade



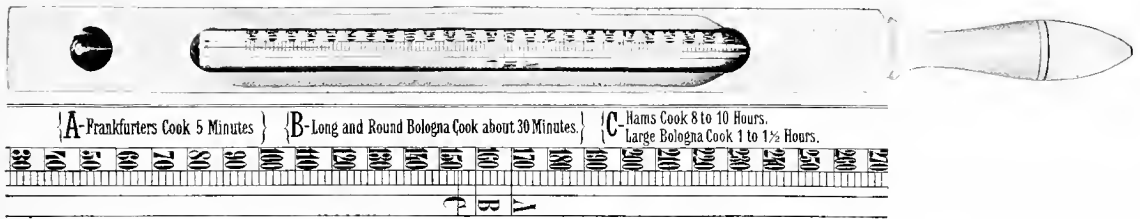
No. 1509



No. 1603



No. 1604



No. 1602

- No. 1602—18-inch square wood frame, with neat turned handle, with improved scale registering to 220 degrees F., containing specifications how long and at what temperature hams, bolognas, and various kinds of sausages should be boiled. Price.....\$1.50 Arassuary
- No. 120—Special hardwood V-shaped grooved case, with aluminum scale—30 to 250 degrees—guaranteed accurate. The very best article of the kind manufactured. Price.....\$3.00 Arataxata

HAM AND MEAT CURING THERMOMETER



No. 1605

- No. 1605—5-inch heavy glass skiver-shaped thermometer, with strong pointed bulb for jabbing into hams, dressed meats, etc.; graduated on the stem from 0 to 120 degrees F.; large magnifying tube, in hard rubber case. Price.....\$2.50 Aratees
- No. 1607—10 1/2-inch thermometer, similar to No. 1605, but with graduations commencing about 3 inches above the bulb, thus leaving the full scale in view when the bulb is jabbed into the meat. Price.....\$3.50 Aratiarum

SALINOMETERS OR BRINE TESTERS



No. 1612

- No. 1612—Salinometer, with scale from 0 to 100 degrees. Packed in wooden case. Price..\$0.75 Aratinga
- NOTICE—We pack these goods for shipment as carefully as possible, but as they are very fragile we cannot guarantee them against breakage.

BRUSHES AND SCRUBBERS

VAT AND TANK BRUSH



11-INCH BLOCK

No. 355—Rice Root	\$0.60	Code Word.
No. 356—Bassine .....	.75	Aratorias
No. 357—Palmetto .....	.90	Araucairo
		Araucan

KEG BRUSH



8 1/4-INCH BLOCK

No. 340—Rice root	\$0.75	Code Word.
No. 342—Bassine .....	.70	Araucanas
No. 343—Ex. Palmetto	1.00	Araucania
		Araucarite

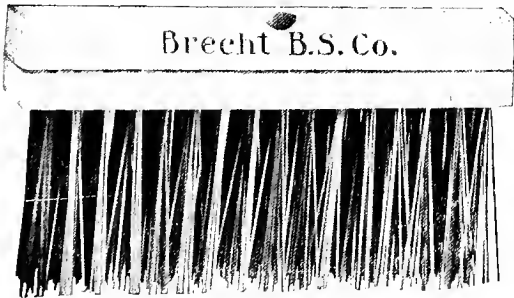
FLOOR SCRUBBERS



Made with hardwood frame and heavy rubber. When rubber is worn out it can easily be replaced.

14 inches long, with belt rubber. Price	\$0.50	Code Word.
18 inches long, with belt rubber. Price .....	.70	Arauha
Extra rubber strips, each .....	.20	Aaurici
14 inches long, with pure rubber. Price	1.00	Arausicae
18 inches long, with pure rubber. Price	1.25	Arausio
Extra rubber strips, 14 inches. Price .....	.75	Arausionem
Extra rubber strips, 18 inches. Price .....	.90	Arausionis
		Arauto

SLAUGHTER-HOUSE BROOMS



Made of heavy steel wire. Price	\$1.50	Code Word.
		Araveca

REFRIGERATOR CAR HOOKS



SHORT CAR HOOK



LONG CAR HOOK

Made of $\frac{5}{8}$ -inch round Steel and galvanized.

Short Car Hook, Single, 9 inches over all. Price, each.....\$0.30
Long Car Hook, Double, 24 inches over all. Price, each..... .60

Code Word.
Aravus
Arawaks

ALL LENGTHS AND STYLES MADE TO ORDER

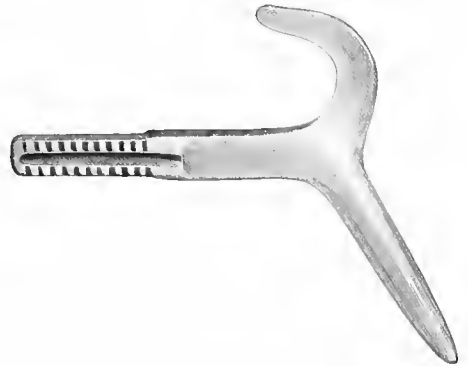
LIFTING HOOKS—Tinned



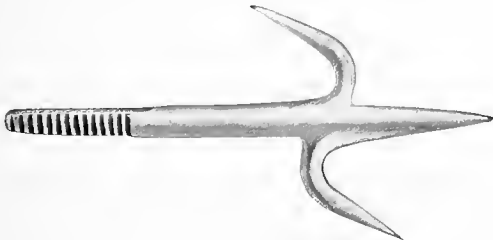
SINGLE HOOK

$\frac{1}{2}$ -inch steel, with pole.....\$0.75
 $\frac{1}{2}$ -inch steel, without pole..... .50

Code Word.
Amystis
Amythaon



SPECIAL CARCASS HOOK



DOUBLE HOOK

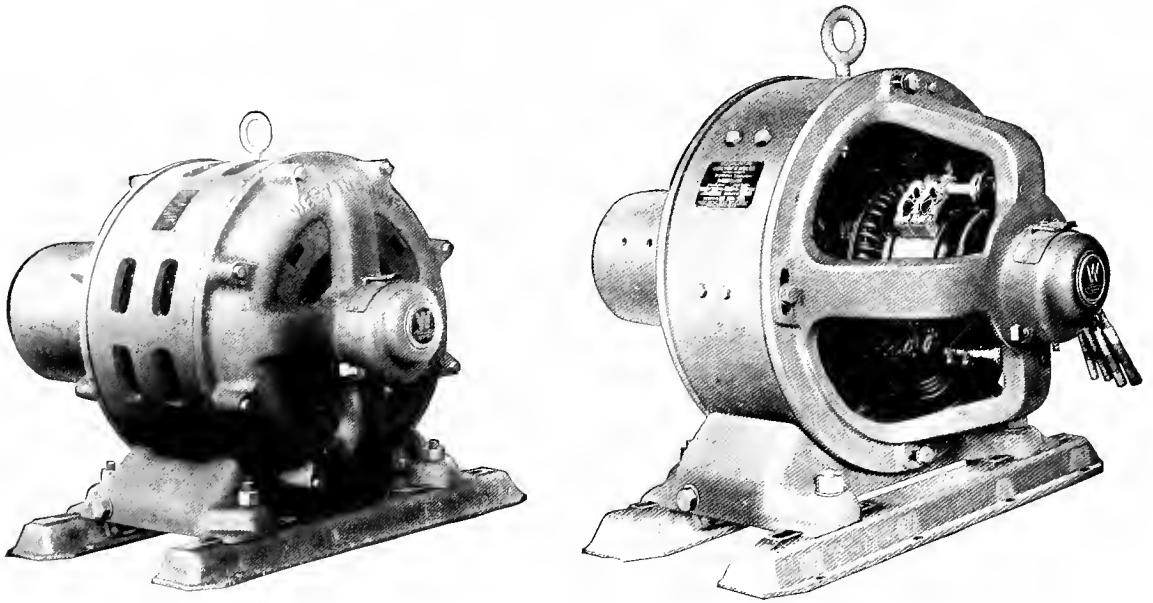
$\frac{1}{2}$ -inch steel, with pole.....\$1.00
 $\frac{1}{2}$ -inch steel, without pole..... .75

Code Word.
Araxates
Araxeni

$\frac{3}{4}$ -inch steel, with pole.....\$1.25
 $\frac{3}{4}$ -inch steel, without pole..... 1.00

Code Word.
Araxenus
Arazzame

THE BRECHT ELECTRIC MOTORS



We are headquarters for motors of all sizes and styles of all standard makes. Furnished for both direct or alternating current.

In ordering, always state the kind of current which you have available. If alternating current motors are wanted, give the phases, cycles, voltage and speed. If direct current motors are wanted, give the voltage and speed.

Motors can be furnished for floor, wall, ceiling, inverted or back gear service.

THE BRECHT
STANDARD TUBULAR BOILERS

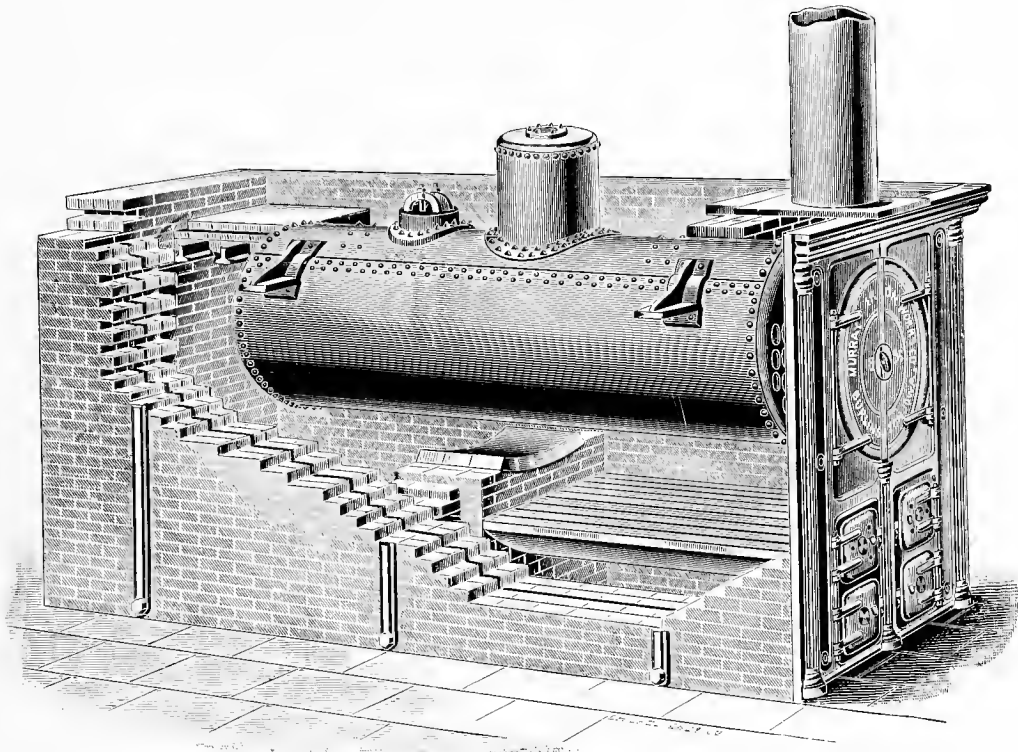


Fig. 457

Fixtures comprise front, with doors and liners, standard grate bars and bearers, back wall supports, soot door and frame, front anchors, smokestack and galvanized wire-cable guys.

Fittings comprise five-inch steam gauge, water column with glass water gauge and gauge cocks, lever safety valve, and blow-off cock.

Lugs or loops are furnished with full fronts. Breeching or back stands for half-arch fronts.

Domes on boilers numbered 0 to 5 are single-riveted to shell; from 6 to 10, double-riveted.

Boilers up to 36-inch have a large hand-hole above flues in back head; 36-inch boilers have man-holes in back heads; 42-inch and 44-inch have saddle man-holes on top of shells, and all up to 48-inch have hand-holes in front heads. From 48-inch up boilers have saddle man-holes in shells and man-holes in front heads. Back stays and rod extra.

SPECIFICATIONS AND PRICES

Number	Horse Power (as usually rated)	Dimensions: Diameter, in., Length, ft.	Number of 3-in. Tubes	Number of 3 1/2-in. Tubes	Size of Dome, inches	Diameter of Stack, inches	Length of Stack, feet	Approximate Weight of Boiler	Approximate Weight of Fixtures	Price	Code Word
0	8	30x6	14	.	15x15	12	24	1,600	2,000	\$212.00	Arazzeria
1	10	32x7	20	.	15x15	14	28	1,800	2,200	255.00	Arazziere
2	12	34x7	22	.	15x15	14	28	2,000	2,300	265.00	Arbacie
3	16	36x8	28	.	18x18	16	28	2,500	2,500	320.00	Arbainat
4	20	36x10	28	.	18x18	16	30	3,000	2,600	345.00	Arbalest
5	25	36x12	28	.	20x20	16	35	3,600	3,000	380.00	Arbaletre
6	30	42x12	.	25	22x22	18	35	4,400	3,400	440.00	Arbalister
7	35	44x12	.	30	21x24	20	35	4,700	4,000	485.00	Arbath
8	40	44x14	.	30	24x24	20	40	5,600	4,400	525.00	Arbathite
9	45	48x12	.	34	28x28	24	40	6,000	4,400	580.00	Arbattis
10	50	48x14	.	34	28x28	24	40	6,600	4,800	625.00	Arbeid

INJECTORS, EXTRA, AS FOLLOWS

For boilers up to 16 horse-power.....	\$15.00	Arbeiden
For boilers up to 29 horse-power.....	22.00	Arbeidsman
For boilers up to 36 horse-power.....	30.00	Arbeidster

Write for net Prices.

THE BRECHT
MARINE INTERNALLY-FIRED BOILERS

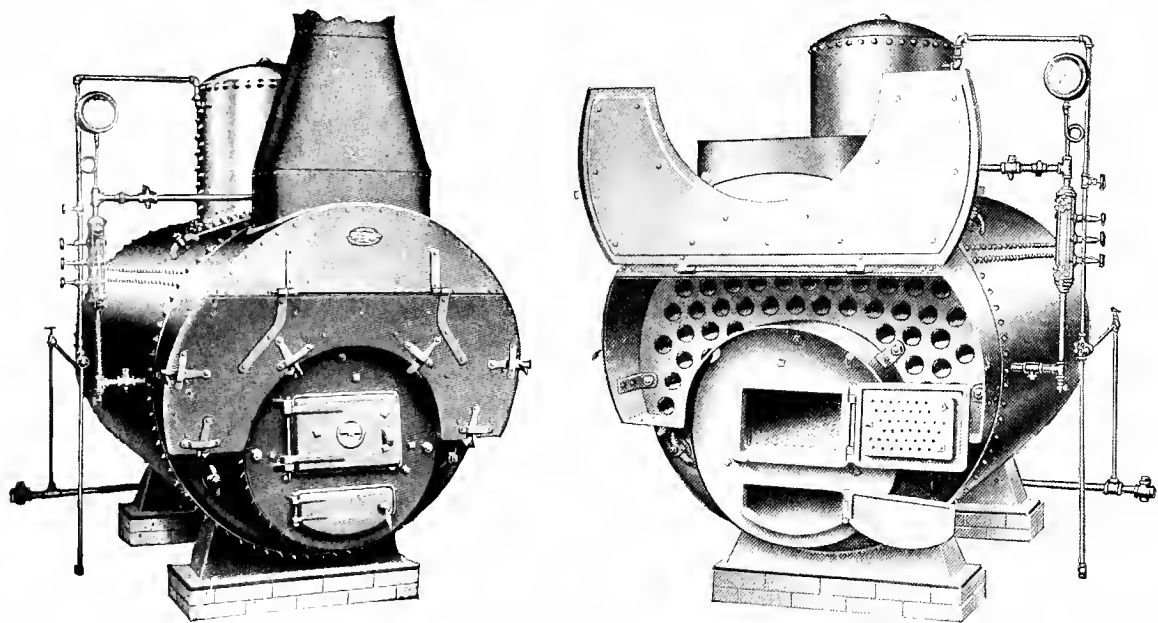


Fig. 458

Economical in first cost, entirely self-contained. Require no expensive foundations or settings. All the fire is inside the boiler and the heat travels through the tubes twice the entire length of the boiler before going to the stack, and all the while the fire is entirely surrounded by water. These are the best boilers for small power plant.

DIMENSIONS

Plain Cylindrical Furnaces. For 100-Pound Working Pressure

Horse Power	Diameter	Length Over All	Thickness Shell	Thickness Heads	Thickness Furnace	Wright, Complete	Price	Code Word
8	44 in.	6 ft. 10 in.	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	3,350 lbs.	\$245.00	Arbeiterin
10	44 in.	7 ft. 10 in.	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	3,500 lbs.	278.00	Arbeitlos
12	44 in.	8 ft. 10 in.	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	3,750 lbs.	334.00	Arbeitsam
16	48 in.	9 ft. 3 in.	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{7}{16}$ in.	5,000 lbs.	378.00	Arbeitvoll
20	54 in.	8 ft. 3 in.	$\frac{5}{16}$ in.	$\frac{3}{8}$ in.	$\frac{7}{16}$ in.	6,000 lbs.	423.00	Arbela
25	54 in.	9 ft. 9 in.	$\frac{5}{16}$ in.	$\frac{3}{8}$ in.	$\frac{7}{16}$ in.	6,500 lbs.	467.00	Arbelage
30	54 in.	11 ft. 3 in.	$\frac{5}{16}$ in.	$\frac{3}{8}$ in.	$\frac{7}{16}$ in.	8,000 lbs.	500.00	Arbelitis
35	60 in.	10 ft. 5 in.	$\frac{5}{16}$ in.	$\frac{3}{8}$ in.	$\frac{7}{16}$ in.	11,000 lbs.	528.00	Arbelorum
40	60 in.	11 ft. 5 in.	$\frac{5}{16}$ in.	$\frac{3}{8}$ in.	$\frac{7}{16}$ in.	11,500 lbs.	556.00	Arbiters

Fittings and Fixtures consist of cast cradles, fire and ash door, grates, injector feeder, pop safety valve, steam gauge, water column with gauge and gauge cocks, blow-off cock and stack.

THE BRECHT VERTICAL TUBULAR BOILERS "BEST MAKE"

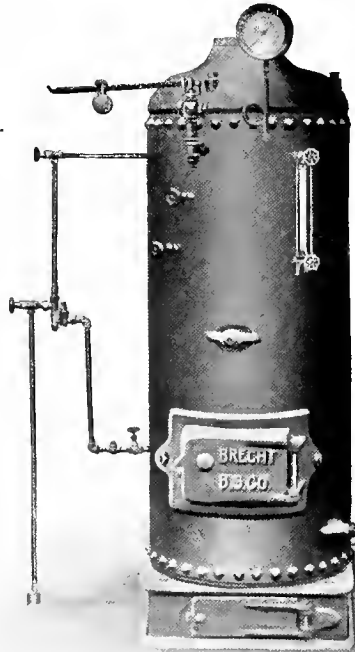


Fig. 460

These Boilers are built of steel, having a tensile strength of 60,000 pounds to the inch. The workmanship is first-class. Tubes extend to the upper head. Shell is double around the fire-box, making what is called a "waterleg." Have large hand-holes at convenient places for cleaning. Sizes up to and including ten horse-power have cast iron smoke bonnets; above that they have heavy sheet iron hoods. Bases are cast iron, with ash box underneath, and air space between it and the floor to protect from fire. Each boiler is tested at 150 pounds hydrostatic pressure, and we warrant them to carry that much steam pressure.

Prices include base, grates, hood, steam gauge, water gauge, gauge cocks, lever safety valve, blow-off cock and injector.

SPECIFICATIONS AND PRICES

No.	Horse Power	Shell Diameter, Height	Tubes		Weight	Price	Code Word.
			No.	Diam.	Length		
No. 1	1½	19x36 in.	14	2 in.	19 in.	800 lbs.	\$ 60.75 Arbitrada
No. 2	2	20x42 in.	19	2 in.	22 in.	900 lbs.	67.50 Arbitrados
No. 3	3	24x48 in.	24	2 in.	24 in.	1,050 lbs.	94.50 Arbitraire
No. 4	4	24x54 in.	30	2 in.	30 in.	1,300 lbs.	101.25 Arbitralis
No. 5	5	24x60 in.	31	2 in.	36 in.	1,370 lbs.	108.00 Arbitrando
No. 6	6	24x66 in.	37	2 in.	42 in.	1,450 lbs.	121.50 Arbitre
No. 8	8	30x66 in.	46	2 in.	42 in.	2,250 lbs.	141.75 Arbitremur
No. 10	10	30x72 in.	54	2 in.	46 in.	2,935 lbs.	155.25 Arbitress

THE BRECHT
SLIDE VALVE ENGINE

HORIZONTAL ENGINE, CLASS "D."

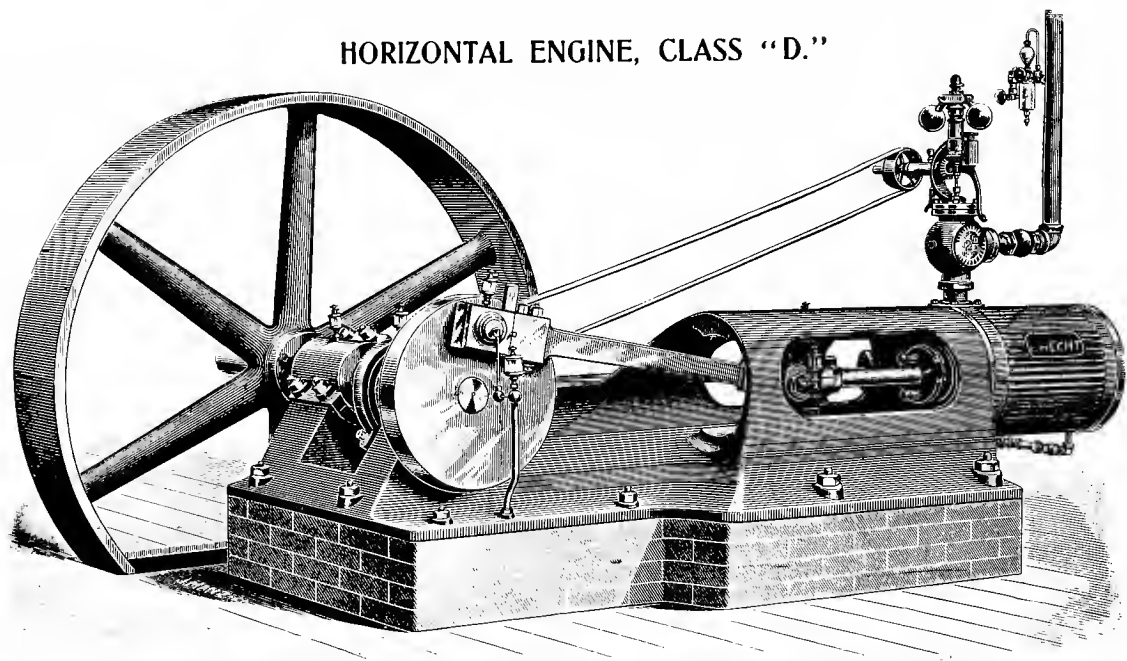


Fig. 459

NUMBER	1	2	3	4	5	6	7	8
Economic Range of Horse-Power..	25 to 30	30 to 35	35 to 45	40 to 50	45 to 55	55 to 70	65 to 80	75 to 90
Revolutions per minute.....	190 to 230	180 to 220	180 to 220	160 to 200	160 to 200	160 to 200	150 to 180	150 to 180
Diameter of Cylinder, inches.....	9	10	11	10	12	13	14	15
Length of Stroke, inches.....	14	14	14	16	16	16	18	18
Diameter of Band Wheel, inches...	66	66	66	72	78	78	84	84
Face of Band Wheel, inches.....	12½	12½	12½	14½	14½	14½	16½	16½
Weight of Band Wheel, pounds....	1,050	1,200	1,300	1,400	1,500	1,600	2,100	2,400
Diameter of Main Shaft, inches...	4⅞	4⅞	4⅞	5⅜	5⅜	5⅜	6⅜	6½
Length of Main Shaft, inches.....	60	60	60	66	66	66	76	76
Length of Space occupied, inches..	112	112	112	128	131	131	147	147
Width of Space occupied, inches...	70	70	70	77	77	77	88	88
Diameter of Steam Pipe, inches...	3	3	3	3½	3½	3½	4	4
Diameter of Exhaust Pipe, inches..	3½	3½	3½	4½	4½	4½	5	5
Estimated Weight, pounds.....	3,960	4,200	4,750	5,600	5,800	6,000	8,800	9,100
Price	\$400.00	\$425.00	\$462.50	\$500.00	\$562.50	\$593.75	\$750.00	\$825.00
Code Word	Arbogast	Arboie	Arbolados	Arboladura	Arbolando	Arbolareis	Arbolarios	Arbolaron

These Horse-Powers are figured for 80 pounds pressure. For higher pressures, add 12½ per cent. to power of engine for each 10 pounds additional pressure of steam. These specifications are subject to such modification as, in our judgment, will tend to improvement either in design or proportion.

This engine is so carefully and strongly built that it can be run at much higher speeds than the ordinary slide valve, thereby developing great power for its size and first cost. Fittings consist of governor, sight-feed lubricator, and a complete set of compression grease and glass oil cups.

THE BRECHT HORIZONTAL ENGINES

“BEST MAKE”

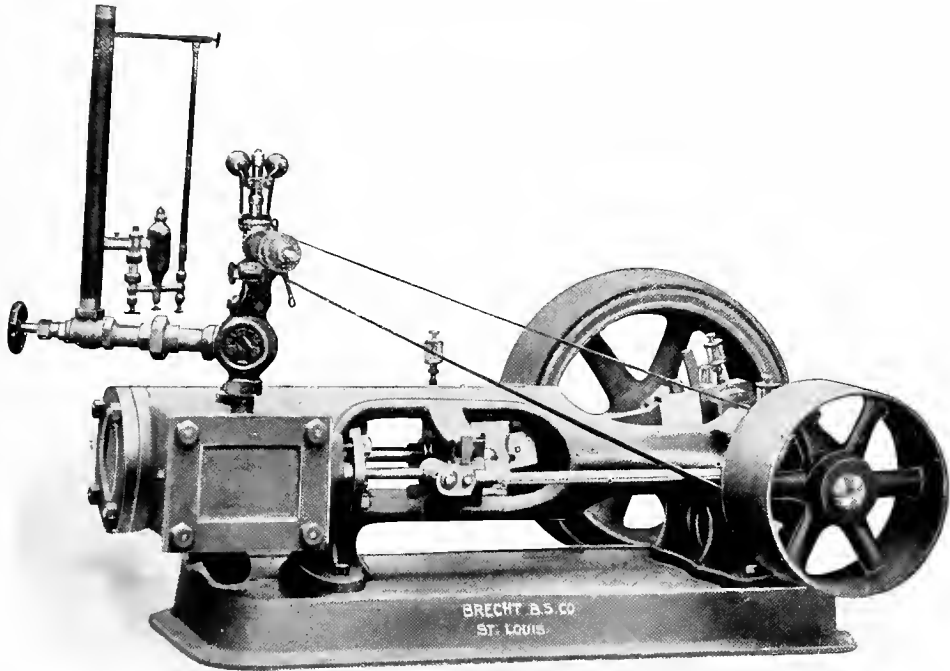


Fig. 461

CENTER CRANK

Class “C,” Double Crank, Straight Line, Round Bed. 2 to 20 Horse-Power

This is a very superior Engine, of fine design and workmanship. The frame is heavy and rigid, and cast in one piece with the cylinder, insuring a perfect alignment. Guides are round, cross-head shod with brass, with provisions for taking up the wear; piston and valve rods of steel; crank-shaft, hammered steel. Prices cover governor and belt, sight-feed lubricator, glass oil cups and drip cocks.

SPECIFICATIONS AND PRICES

Number	Economic Range of Horse Power	Diameter of Cylinder, in.	Length of Stroke, in.	Diameter of Fly Wheel, in.	Face of Fly Wheel, in.	Diameter of Band Wheel, inches	Face of Band Wheel, in.	Length of Bed	Width of Bed	Estimated Weight, lbs.	Price	Code Word
5	6 to 7	6	6	20	6½	12	6½	2 ft. 6 in.	3 ft. 9 in.	1,050	\$146.40	Arbitricem
6	8 to 9	6	8	30	6½	18	6½	3 ft. 4 in.	4 ft. 6 in.	1,600	160.80	Arbitricis
7	10 to 12	7	8	30	7½	18	7½	3 ft. 4 in.	4 ft. 6 in.	1,750	180.00	Arbitrios
8	12 to 14	8	8	36	8½	18	8½	3 ft. 4 in.	4 ft. 6 in.	2,100	216.00	Arbius
9	15 to 17	8	10	36	10½	20	10½	4 ft.	5 ft. 6 in.	2,600	240.00	Arblasts
10	18 to 20	9	10	36	12½	20	12½	4 ft.	5 ft. 6 in.	2,800	255.00	Arbocala

THE BRECHT VERTICAL ENGINES

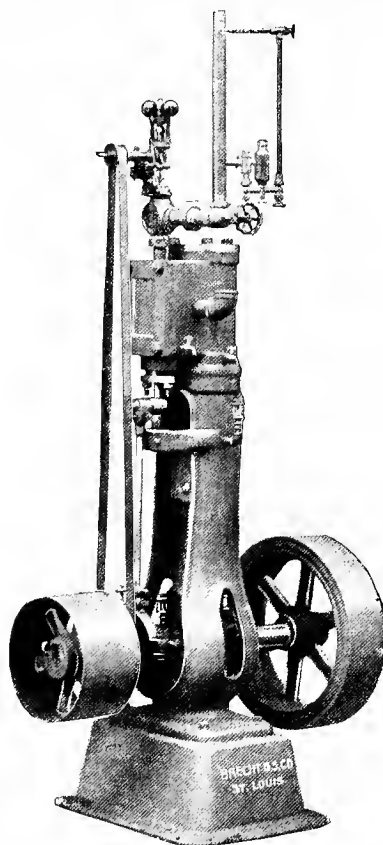


Fig. 462

CENTER CRANK

This is a very fine Engine, strong and heavy, built for wear and use. The column and steam cylinder are cast in one piece, and it is impossible for the working parts to get out of line. The piston, connecting rod and valve rod are of steel. Cross-head shoes are of brass and the boxes lined with best babbitt metal.

A lubricator on the steam pipe oils the governor, engine valve and inside of steam cylinder. Oil cups on eccentric strap and bearings supply further lubrication.

Prices include governor, lubricator, glass oil cups and drip cocks, as shown in the illustration.

These engines can be driven at much higher rates of speed than given in the table. Increase of speed gives increase of power.

Note our dimensions and weights.

SPECIFICATIONS AND PRICES

No.	—Cylinder—		Horse Power	Revolutions per Minute	Band Wheel Diam. Face	Weight, Lbs.	Price	Code Word.
6	6x6		6 to 7	175	20x6 $\frac{1}{2}$ in.	900	\$146.40	Arboledal
8	6x8		8 to 9	165	30x7 $\frac{1}{2}$ in.	1,275	160.80	Arbolillos
10	7x8		10 to 12	150	50x8 $\frac{1}{2}$ in.	1,850	180.00	Arbolistas

THE BRECHT SEMI-PORTABLE ENGINES AND BOILERS

"BEST MAKE"

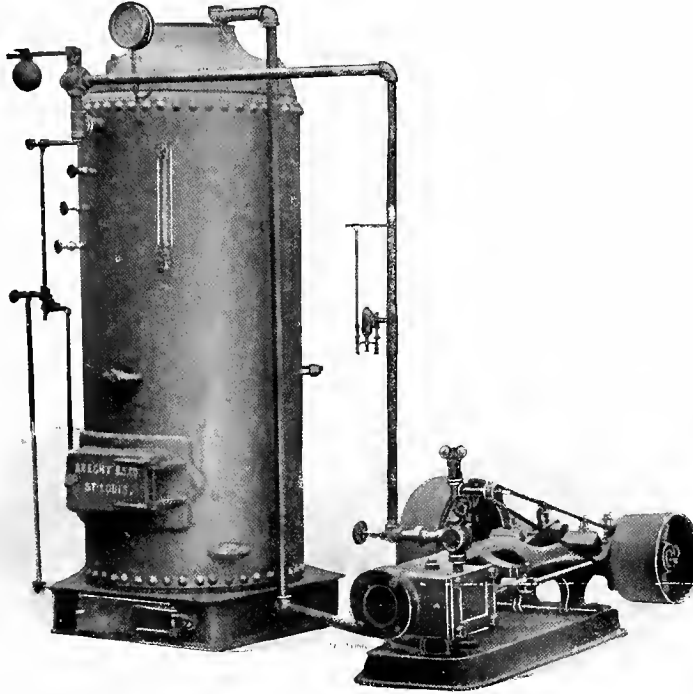


Fig. 460

Fig. 461

Boiler, with Horizontal Engine

SPECIFICATIONS AND PRICES

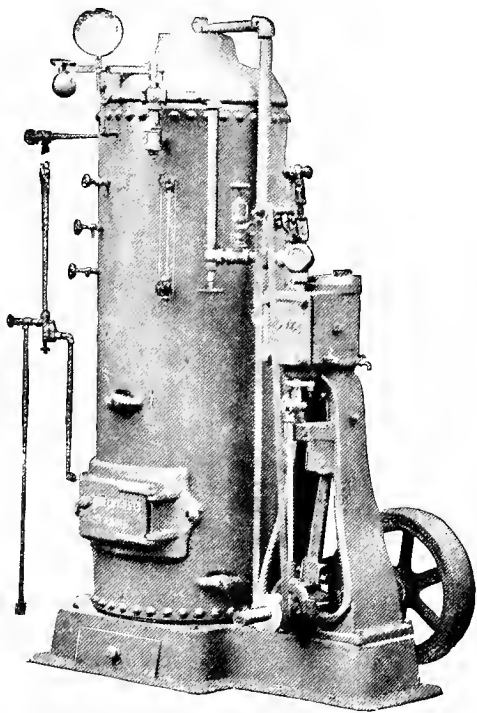
ENGINE					BOILER					Estimated Shipping Weight, Lbs.	PRICE Engine, Boiler and Feeder Complete	Code Word.
Number	Cylinder, inches Diam.	Stroke	Horse Power	Band Wheel, inches Diam. Face	Horse Power	Shell, inches Diam. Height	Number	Tubes, inches Diam.	Length			
6	6	x6	6	20x6½	6	24x66	37	2	42	2,600	\$254.40	Arbollon
8	6	x8	8	30x7½	8	30x66	46	2	42	3,800	286.80	Arbollones
10	7	x8	10	30x8½	10	30x72	54	2	46	4,600	318.00	Arbonai

Vertical engines furnished instead of horizontal engines at same prices as above.

Prices on larger sizes furnished on application.

The above prices cover the engines, boilers and feeders, complete, as shown in the illustration. Smokestack not furnished unless especially ordered.

THE BRECHT
SEMI-PORTABLE ENGINES AND BOILERS
“BEST MAKE”



Boiler, Fig. 460. Engine, Fig. 462.

Boiler, with Vertical Engine

SPECIFICATIONS AND PRICES

Combinations of Engines with Larger Boilers

Number	ENGINE				BOILER					Estimated Ship- ping Weight, Lbs.	PRICE Engine, Boiler and Feeder, Complete	Code Word
	Cylinder, inches		Horse Power	Band Wheel, inches	Horse Power	Shell, inches		Tubes, inches				
	Diam.	Stroke				Diam.	Face	Diam.	Height				Number	Diam.	Length
27	6	x6	6	20x6½	8	30x66	46	2	42	3,000	\$272.40	Arborariae
28	6	x6	6	20x6½	10	30x72	54	2	46	3,200	284.40	Arborarius
29	6	x8	8	30x7½	10	30x72	54	2	46	4,000	298.80	Arborarono

Horizontal engines furnished instead of vertical engines at same prices as above.

Prices on larger sizes furnished on application.

The above prices cover the engines, boilers and feeders, complete, as shown in the illustration.

Smokestacks not furnished unless especially ordered.

THE BRECHT PACKERS' TRUCKS



Fig. 31.
FULL BOUND

WESTERN PATTERN, FULL BOUND

Number	Length of Handles in inches	Diameter of Wheels in inches	Width in inches	One Dozen Packed for Export	Weight, each	Price, each	Code Word
21W	48	7½	19	15 cu. ft.	50 lbs.	\$8.00	Arborary
22W	52	8½	20	16 cu. ft.	68 lbs.	\$10.50	Arborassi
23W	56	9½	22	18 cu. ft.	87 lbs.	\$15.00	Arborator
24W	60	10½	24	24 cu. ft.	115 lbs.	\$18.50	Arboratura

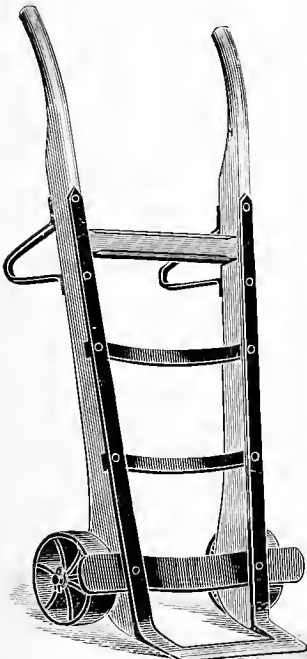


Fig. 67

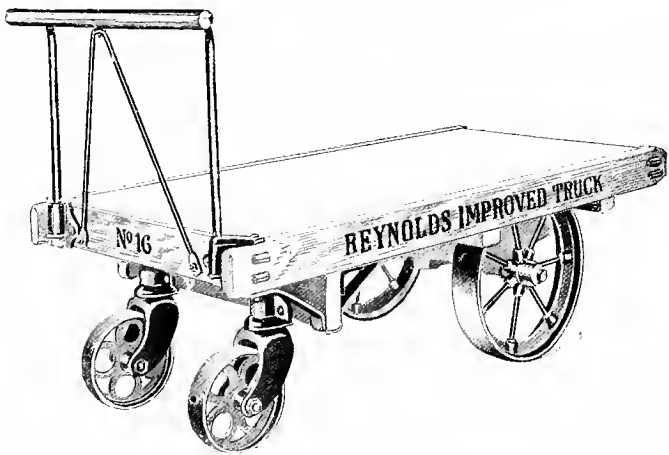
BARREL TRUCKS

BOSTON PATTERN

Number	Length of Handles in inches	Width at Nose in inches	Width of Upper Bar in inches	Diameter of Wheels in inches	Weight, each	One Dozen Packed for Export	Price, each	Code Word
61	49	11½	18	6	40 lbs.	12 cu. ft.	\$8.50	Arborava
62	54	13½	21	7½	54 lbs.	16 cu. ft.	\$11.00	Arboravamo
63	58	14½	22	9½	77 lbs.	18 cu. ft.	\$13.50	Arboreal
64	62	15½	22	10½	109 lbs.	24 cu. ft.	\$16.50	Arborem

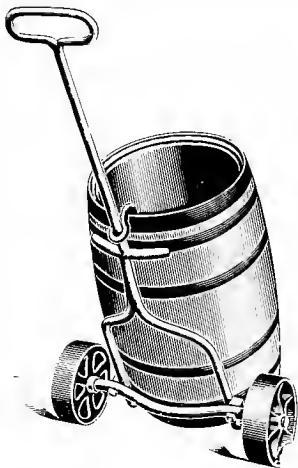
REYNOLD'S PACKERS' TRUCK

Edges of frame beveled and raised two inches above platform to prevent meat from slipping off



For Very Heavy Work.	No.	Size of Platform, in feet.	Size Over all in feet	Diameter of Wheels inches	Diameter of Casters, inches	Capacity in lbs.	Weight, lbs.	Price	Code Word
	9	2 x4	2 x4 ¹ / ₃	18	9	3,000	220	\$30.00	Arboreous
	11	2 ¹ / ₂ x4	2 ¹ / ₂ x4 ¹ / ₃	18	9	3,000	230	31.50	Arboreas
	13	2 ¹ / ₂ x4 ¹ / ₂	2 ¹ / ₂ x4 ² / ₃	18	9	3,000	235	32.25	Arboreront
	15	3 x4	3 x4 ¹ / ₃	18	9	3,000	245	33.00	Arborescam
	16	2 ¹ / ₂ x5	2 ¹ / ₂ x5 ¹ / ₃	18	9	3,000	245	33.00	Arborets
	18	2 x5	2 x5 ¹ / ₃	18	9	3,000	230	32.25	Arboretum
	19	2 x6	2 x6 ¹ / ₃	18	9	3,000	240	33.00	Arborfelix
	20	2 ¹ / ₂ x6	2 ¹ / ₂ x6 ¹ / ₃	18	9	3,000	255	34.50	Arboribus
	21	3 x5	3 x5 ¹ / ₃	18	9	3,000	255	35.25	Arborical
	22	3 x6	3 x6 ¹ / ₃	18	9	3,000	270	36.00	Arboriex
	23	3 x8	3 x8 ¹ / ₃	18	9	3,000	310	40.00	Arborifero

We furnish the above Trucks with rubber tired wheels, if desired, at an advanced price. Any size made to order.



PORK BARREL TRUCK

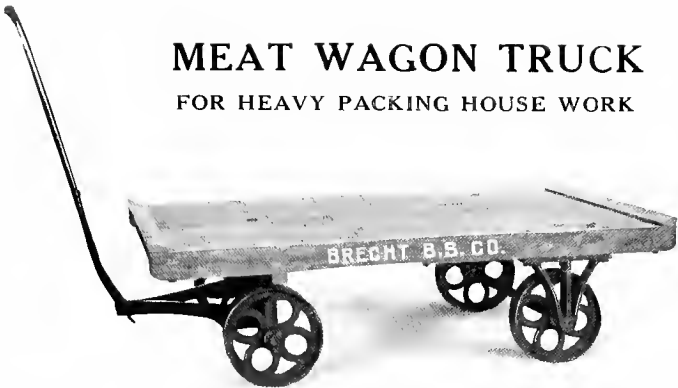
An extremely useful Truck for handling heavy barrels. Heavy, strong and well made. Diameter of wheels, 9¹/₂ inches. Weight, 60 pounds.

Price\$13.00

Code Word
Arboriform

These Trucks are firmly bolted together and have forged axles with turned bearings.

MEAT WAGON TRUCK
FOR HEAVY PACKING HOUSE WORK

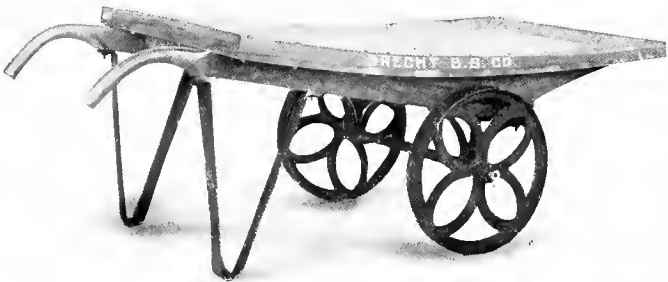


Made of oak. Extra heavy and substantial. Axles 1 $\frac{3}{8}$ -inch round iron

		Price	Code Word.
No. 1.	Diameter wheels, 10"; weight, 240 lbs.....	\$25.00	Arborions
No. 2.	Diameter wheels, 14"; weight, 280 lbs.....	27.00	Arborizado

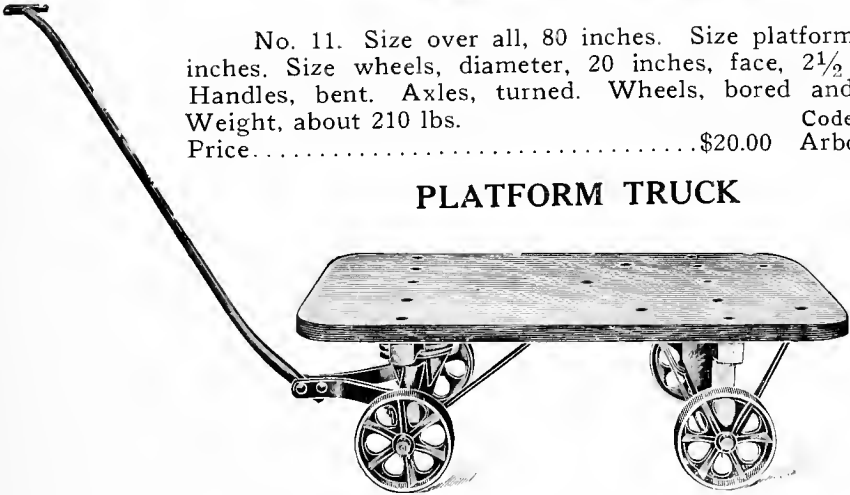
Both above Trucks have platform 3x5 feet.

HAM AND BACON TRUCK



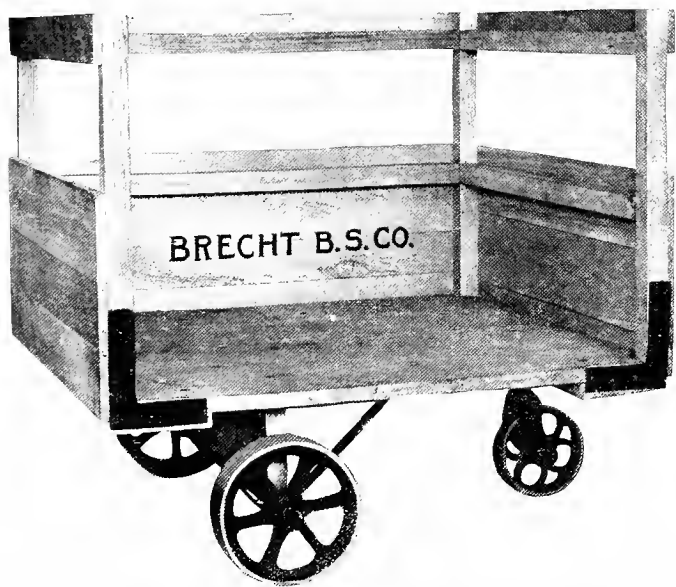
No. 11. Size over all, 80 inches. Size platform, 35x62 inches. Size wheels, diameter, 20 inches, face, 2 $\frac{1}{2}$ inches. Handles, bent. Axles, turned. Wheels, bored and faced. Weight, about 210 lbs. Code Word
Price.....\$20.00 Arborized

PLATFORM TRUCK



No.	Size of Platform.	Diameter of Wheels, in.	Weight lbs.	Price	Code Word.
80	2 ft. x 3 ft.	7 $\frac{1}{2}$	90	\$13.00	Arborosa.
82	2 ft. 4 in. x 3 ft. 4 in.	7 $\frac{1}{2}$	115	14.00	Arboscello.
83	2 ft. 6 in. x 3 ft. 6 in.	7 $\frac{1}{2}$	125	15.00	Arbotante.
84	3 ft. x 4 ft.	8 $\frac{1}{2}$	150	17.00	Arbousier.

STRING SAUSAGE TRUCK



Platform 3½x4 feet. Height of rack, 30 inches. Wheels 12 inches in diameter; casters, 9 inches in diameter.

Weight, 300 pounds. Price.....\$30.00

Code Word.
Arbouste

DUTCH TRUCK

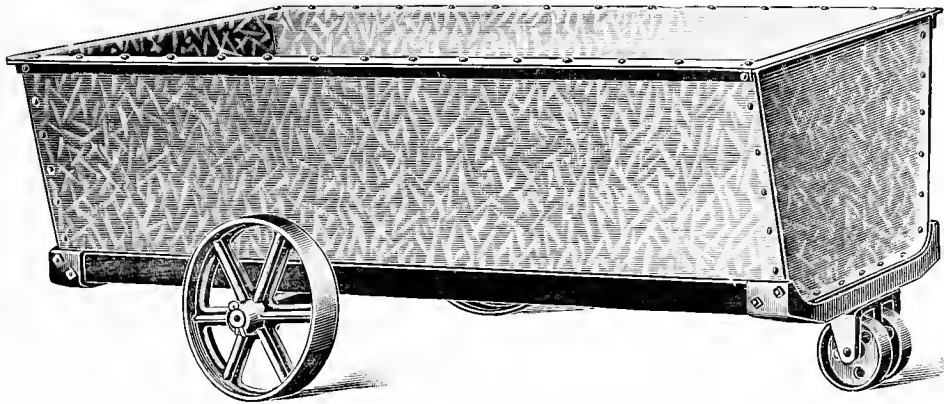


A small, heavy Truck, made of 1¼-inch hardwood, with box 26x36 inches inside, and 15 inches deep; with heavy 20-inch wheels, and 9-inch, heavy swivel on one end. Weight, 275 pounds.

Price\$18.00

Code Word.
Arbreux

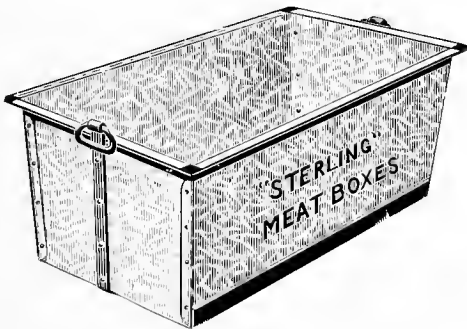
STERLING SANITARY MEAT TROUGHS—LOW



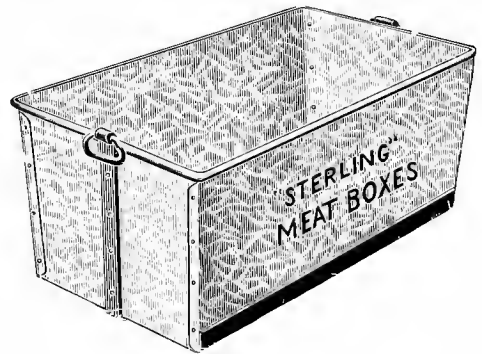
Description—Top, 24½ inches wide; bottom, 18 inches wide, 15 inches deep, 21 inches high over all. General construction: Same as No. 24 high, except that the wheels are 10 inches instead of 16 inches diameter. Made 4 feet, 4 feet 6 inches or 5 feet lengths. Price, \$9.00 per foot. Weight, 200 to 250 lbs. Capacity, 500 to 800 lbs. Code word, Arbrisseau.

Note—We found it necessary to make this height of trough to meet a demand for a trough that would run under a low cutting machine. We have made several on special order and have been assured that the above dimensions fill the bill perfectly.

GALVANIZED IRON MEAT BOXES



Angle Rim



Wired Rim

ANGLE RIM

	Length		Width		Depth	Wgt. Lbs.	Price Each	Code Word
	Top	Bot.	Top	Bot.				
2-bushel angle.....	26	22	17	13	12	22	\$5.00	Arbrot
3-bushel angle.....	28	24	19	14	13	25	5.50	Arbucello
4-bushel angle.....	28	24	19	14	16	27	6.50	Arbuscle

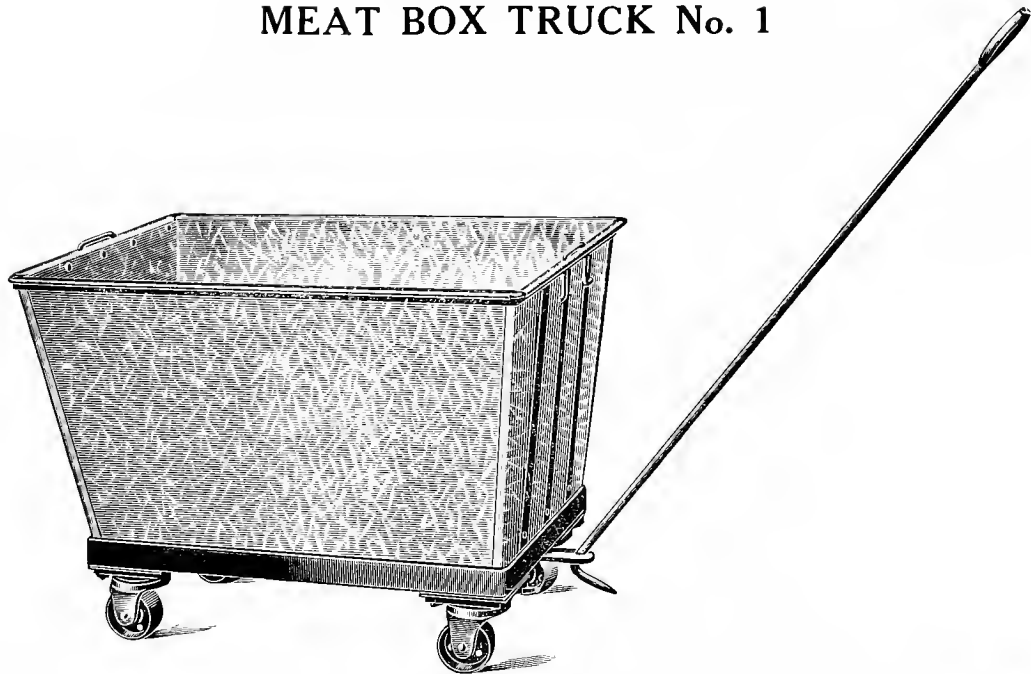
Made of No. 22 galvanized iron and bound on top with 5⁄8-inch angle iron. Bottom strengthened with 1-inch angle iron and with 1-inch iron strip in center, running clear around box and carrying substantial handles.

WIRED RIM

	Length		Width		Depth	Wgt. Lbs.	Price Each	Code Word
	Top	Bot.	Top	Bot.				
1-bushel, wired.....	22	18	15	13	8	11	\$2.50	Arbusco
2-bushel, wired.....	26	22	17	13	12	15	3.40	Arbusculal
3-bushel, wired.....	28	24	19	14	13	16	3.90	Arbusculo
4-bushel, wired.....	28	24	19	14	16	17	4.60	Arbuse

Made of No. 26 galvanized iron and bound on top with 5⁄16-inch rod iron. Bottom strengthened with 1-inch angle iron, and with 1-inch iron strip in center, running clear around box and carrying substantial handles.

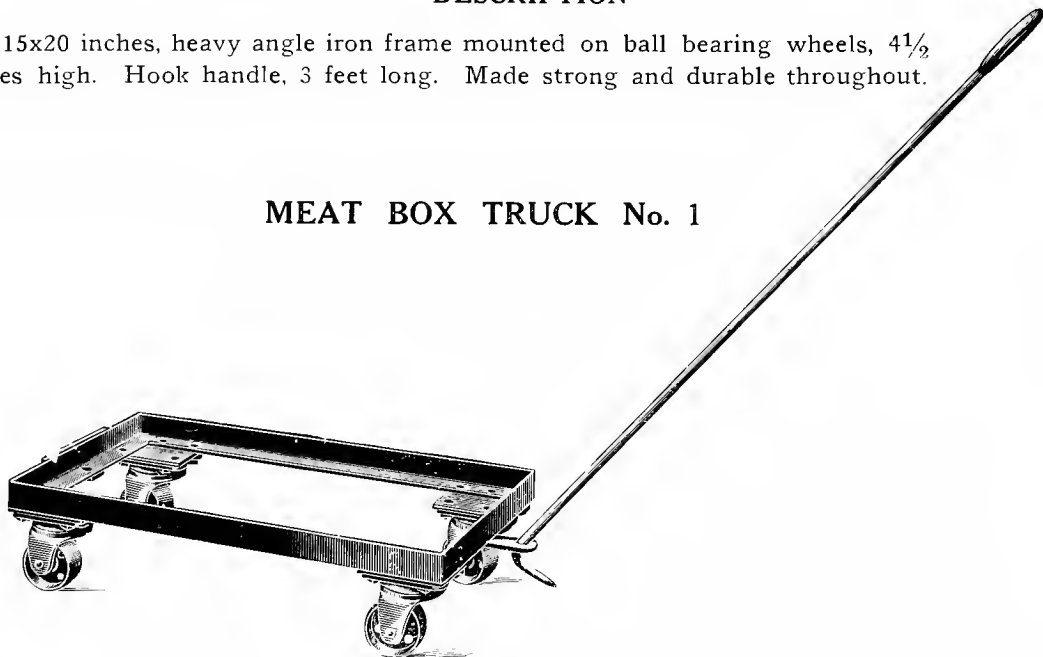
THE BRECHT
MEAT BOX TRUCK No. 1



DESCRIPTION

15x20 inches, heavy angle iron frame mounted on ball bearing wheels, 4½ inches high. Hook handle, 3 feet long. Made strong and durable throughout.

MEAT BOX TRUCK No. 1



Described above.

	Price	Code Word.
Truck without Box.....	\$ 9.00	Arbustabo
With 3-bu. wire rim box.....	12.90	Arbustamus
With 4-bu. wire rim box.....	13.60	Arbustif
With 3-bu. angle rim box.....	14.50	Arbustinho
With 4-bu. angle rim box.....	15.50	Arbustivos

LOIN TRUCK



Four Wheels. Will Not Tip

This truck is especially designed for carrying loins, and by its use they are kept in nice shape. It is a vast improvement over the old style loin trucks which have only two wheels. It can be loaded and run into refrigerator and the meat left on truck while it is cooling. Size, platform, 30x54 inches; wheels, 9 and 18 inches diameter. Five shelves. Weight, 400 lbs. Price, \$45.00. Code Word, Arbustum.

LIVER TRUCK

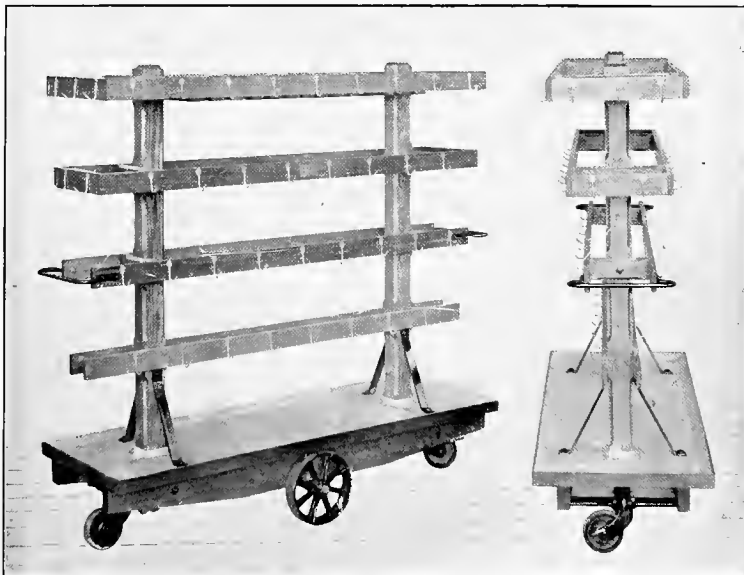


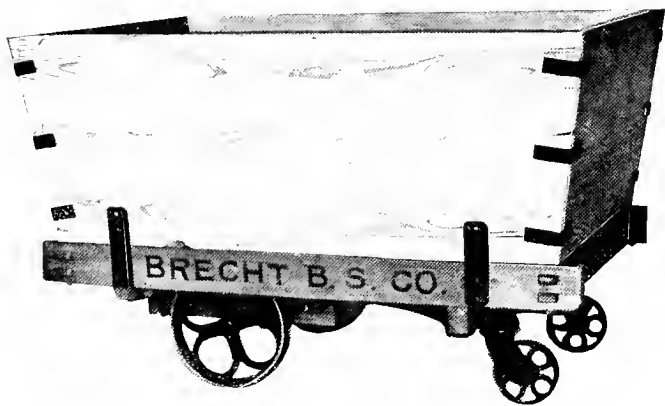
Fig. 470

A Packing House Necessity

For transporting livers, hearts, tongues, kidneys, ox tails, etc., from one part of the building to another. Has 78 steel hooks, swivel front and hind wheels, heavy wrought iron trimmings. All wood-work of seasoned oak, well braced and built for wear. Lower part lined with galvanized iron to catch drippings.

This is the most convenient truck ever put on the market, and a great time and labor saver. Shipping weight, 440 lbs. Price, complete, \$35.00. Code word, Arbutorum.

SAUSAGE MEAT MIXING
AND SCRAP TRUCK

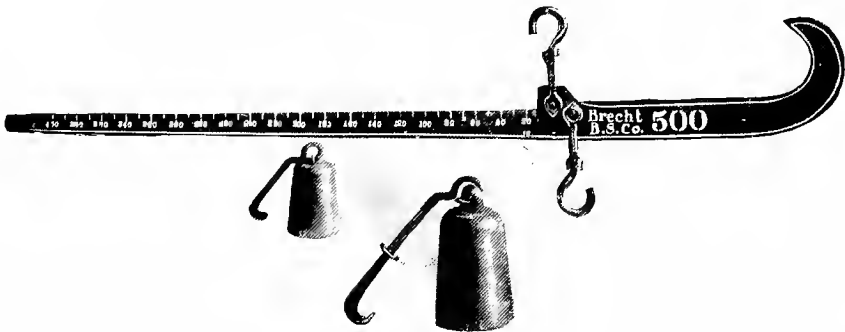


Size of box 30"x52" at top, 24"x48" at bottom, 18" deep, made of 1½" Linn or Bass Wood. Wheels 12" diameter, casters 6", ball bearing.

Weight, 260 lbs. Price.....\$30.00

Code Word
Arbutus

THE BRECHT WEIGH BEAMS WITH WEIGHTS
JAPANNED



Capacity.	Code Word.
300 lbs.....\$3.00	Aphanisme
400 lbs..... 3.50	Aphanistic
500 lbs..... 4.50	Aphanite

Capacity.	Code Word.
600 lbs.....\$5.50	Arcabucear
800 lbs..... 7.50	Arcabucos
1,000 lbs..... 9.00	Arcabuzaba

THE BRECHT REVERSIBLE MEAT BEAM SCALES

A very beautiful and substantial Scale. Finish in three colors: Yellow, black and gold, with nickel-plated beam, poises and four-prong swivel hook. Accuracy guaranteed.

Capacity.	Weight.	Price.
600 lbs. by $\frac{1}{4}$ lb.	90 lbs.	\$25.00
Code Word, Arcabuzazo.		
1,200 lbs. by $\frac{1}{2}$ lb.	105 lbs.	\$28.00
Code Word, Arcabuzes.		

In addition to our regular goods, we handle the Buffalo, Howe and Fairbanks Reversible Meat Beam Scales.

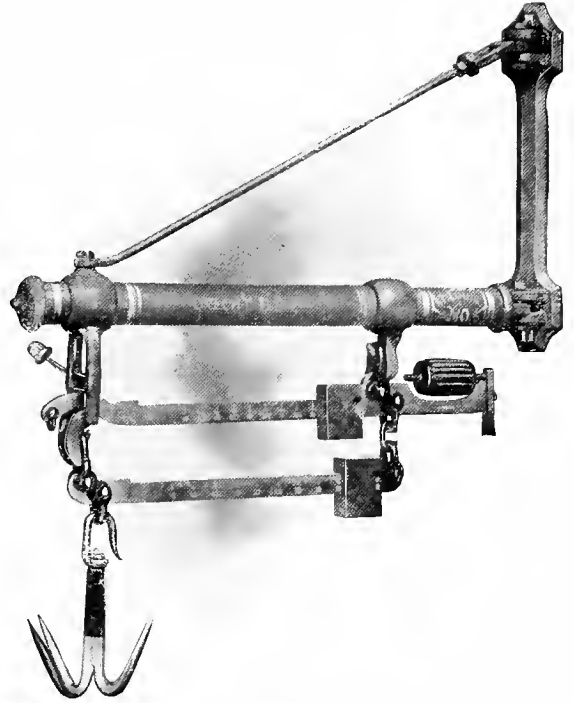


Fig. 471.
STEEL TUBULAR FRAME

Handsomely finished, white enameled, gold striped beam and poises, nickel plated. Complete, ready to fasten to post. Has extra heavy swivel socket.

Capacity.	Weight.	Price.
600 lbs. by $\frac{1}{4}$ lb.	95 lbs.	\$30.00
Code Word, Arcabulo		
1,200 lbs. by $\frac{1}{2}$ lb.	115 lbs.	\$35.00
Code Word, Arcacite.		

Length of 600-pound scales, $2\frac{1}{2}$ feet.
Length of 1,200-pound scales, 3 feet.

When furnished with galvanized iron pan chain, \$9.00 extra.

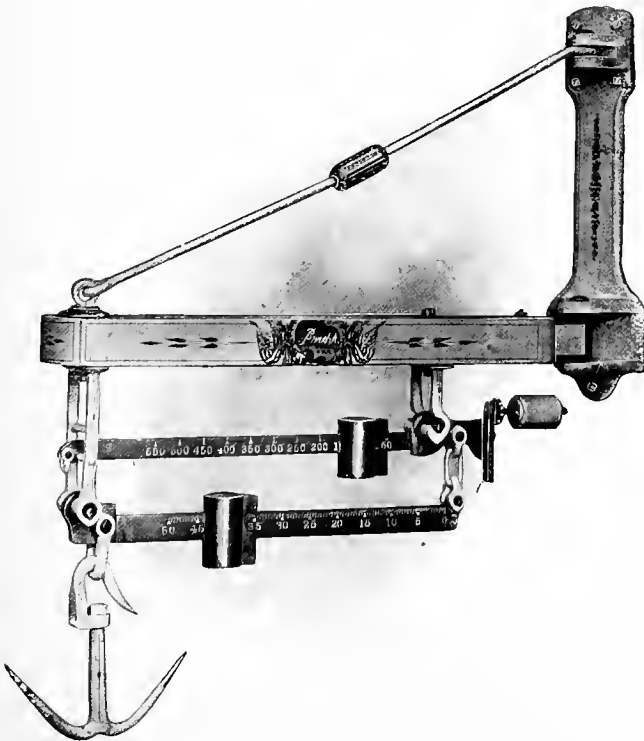


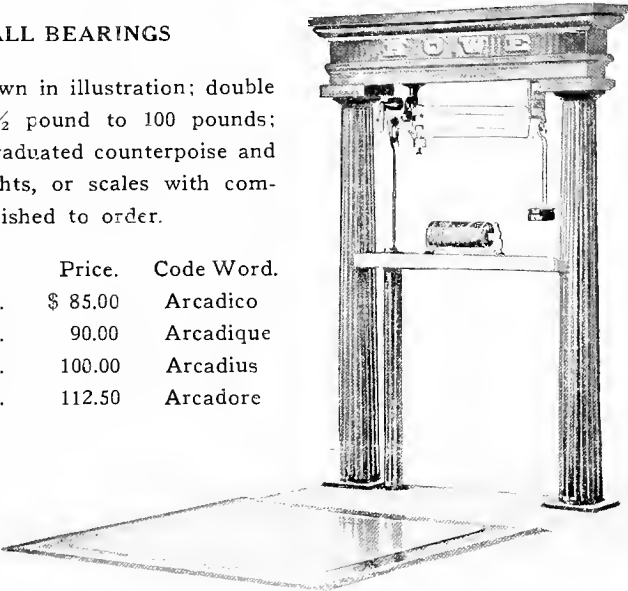
Fig. 472.
WOOD FRAME

HOWE DORMANT PACKING HOUSE SCALE

PATENTED ADJUSTABLE BALL BEARINGS

With two long iron pillars, as shown in illustration; double brass beam, upper bar graduated by 1/2 pound to 100 pounds; lower bar, 1 pound to 200 pounds, and graduated counterpoise and weights. Brass counterpoises and weights, or scales with compound beams requiring no weights, furnished to order.

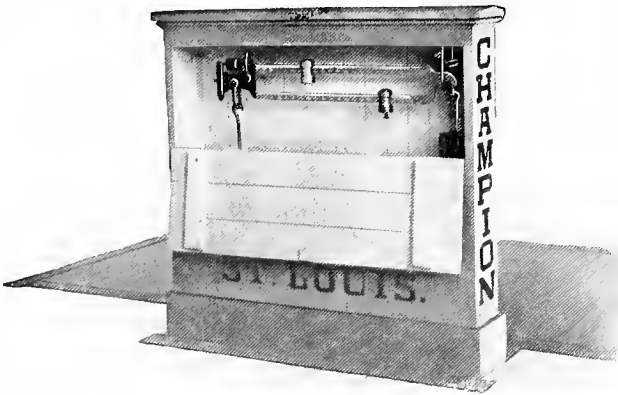
Capacity	Platform	Weight	Price.	Code Word.
1,200 lbs. by 1/2 lb.	43x33 in.	735 lbs.	\$ 85.00	Arcadico
1,500 lbs. by 1/2 lb.	44x34 in.	775 lbs.	90.00	Arcadique
2,500 lbs. by 1/2 lb.	46x38 in.	960 lbs.	100.00	Arcadius
3,500 lbs. by 1/2 lb.	43x45 in.	1,150 lbs.	112.50	Arcadore



With short iron pillars, hardwood shelf and goose-neck hangers. Beams graduated same as above.

	Price.	Code Word.
Capacity, 1,200 lbs. by 1/2 lb.; platform 43x33 in.; weight, 700 lbs.....	\$70.00	Arcaduzar
Capacity, 1,500 lbs. by 1/2 lb.; platform 44x34 in.; weight, 725 lbs.....	75.00	Arcaeus
Capacity, 2,500 lbs. by 1/2 lb.; platform 46x38 in.; weight, 900 lbs.....	90.00	Arcaicas

HOWE CHAMPION WAGON SCALE



The construction is very simple, and great care has been taken to arrange it so anyone can set it up successfully. The cost of preparing a foundation for this scale is less than that of any other scale. All materials of the best. Has full brass beam, sliding poise and steel pivots. Full and complete building plan and directions with each scale.

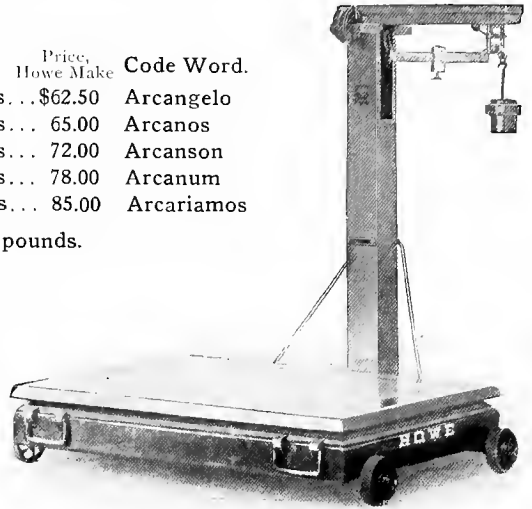
	Price.	Code Word.
Capacity, 3 tons; platform, 8x14 feet; single beam; weight, 700 lbs.....	\$55.00	Arcaismos
Capacity, 3 tons; platform, 8x14 feet; double beam; weight, 700 lbs.....	60.00	Arcaistas
Capacity, 4 tons; platform, 8x14 feet; double beam; weight, 750 lbs.....	62.50	Arcaliffo
Capacity, 5 tons; platform, 8x14 feet; double beam; weight, 750 lbs.....	72.50	Arcane
Capacity, 6 tons; platform, 8x22 feet; double beam; weight, 1,250 lbs.....	100.00	Arcanela

PORK SCALE

These Scales Are Particularly Adapted for Weighing Bulky Meats, Requiring Large Platforms.

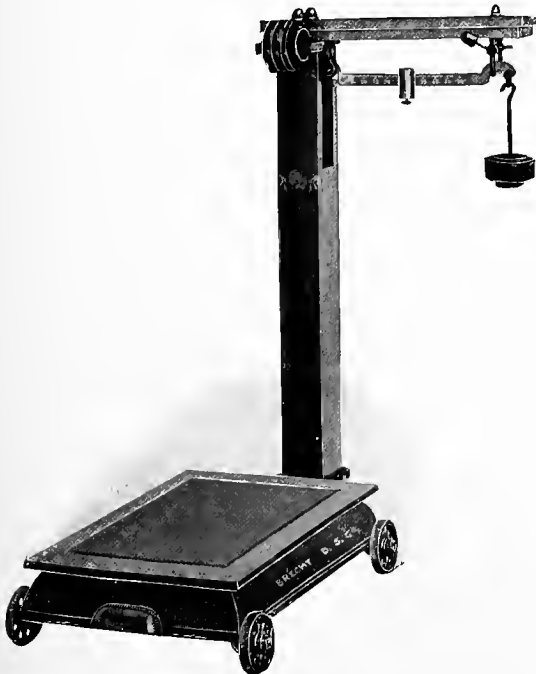
	Price, Howe Make	Code Word.
Capacity, 1,000 lbs.; platform, 43x30 in.; weight, 500 lbs...	\$62.50	Arcangelo
Capacity, 1,200 lbs.; platform, 43x30 in.; weight, 515 lbs...	65.00	Arcanos
Capacity, 1,500 lbs.; platform, 43x30 in.; weight, 590 lbs...	72.00	Arcanson
Capacity, 2,000 lbs.; platform, 44x35 in.; weight, 655 lbs...	78.00	Arcanum
Capacity, 2,500 lbs.; platform, 44x35 in.; weight, 690 lbs...	85.00	Arcariamios

Beams graduated by $\frac{1}{2}$ pound to 100 pounds.



PORTABLE PLATFORM SCALES ON WHEELS

ACCURACY GUARANTEED



THE "AMERICAN"

Capacity	Platform	Weight	Price	Code Word.
600 lbs.	16x25 in.	165 lbs.	\$10.00	Arcavola
800 lbs.	16x26 in.	170 lbs.	10.50	Arcazinha
1,000 lbs.	17x26 in.	175 lbs.	11.00	Arcboutant

THE HOWE "CHAMPION"

Capacity	Platform	Weight	Price	Code Word.
600 lbs.	15x22 in.	150 lbs.	\$16.00	Arcebunt
800 lbs.	16x24 in.	160 lbs.	17.00	Arcedianos
1,000 lbs.	17x26 in.	180 lbs.	20.00	Arceering

THE BRECHT
PITLESS WAGON AND STOCK SCALES



The idea of a Pitless Wagon and Stock Scale was suggested to save the cost of digging and walling a pit, such as would be needed by an ordinary scale of this character. This Pitless Scale, on account of its special construction, can be easily and cheaply moved from place to place.

The scale frame is constructed of heavy solid steel channel, and each corner is bolted together with machine bolts. The scales are equipped with two steel joists that weigh about 12¼ lbs. to the foot, and these are placed where they will do the most good—immediately under the wagon wheels. The greater the capacity of the scale, the heavier the steel joint.

Each scale is equipped with four sets of roller bearings, permitting independent motion in any direction.

Beam—Compound tare weight beam, brass-plated. Every notch special hardened chilled iron to prevent wear. Capacity of tare beam, 1,800 lbs. No loose weights.

Scale complete, excepting the few 2-inch oak planks for the floorings.

		Code Word.
Capacity, 4 ton; platform, 8x14; shipping weight, 1,690 lbs.....	\$ 75.00	Archaisme
Capacity, 5 ton; platform, 8x14; shipping weight, 1,810 lbs.....	77.50	Archaismus
Capacity, 6 ton; platform, 8x14; shipping weight, 2,125 lbs.....	85.00	Archalla

We also have the scales with 8x16 platform and 8x22 platform.

The beam box is supposed to set 6½ feet from the center of the platform of the scale, but if required can furnish extension lever at a small extra charge.

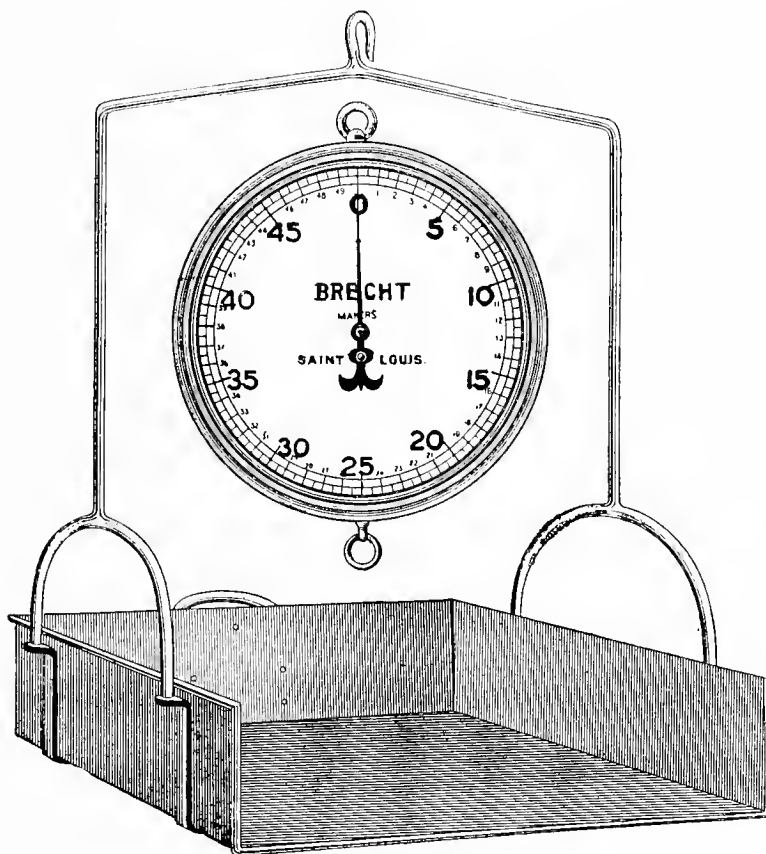
		Code Word.
Stock rack irons can be furnished at, extra.....	\$7.50	Archandros

Illustration shows the Howe Scale, which comes in the 5 ton size. We can furnish any make preferred.

WHOLESALE SPRING BALANCES

Packing House Scales

With Galvanized Pan



Large figures in dial shown in red

Square Pin		Round Pin		Capacity	Dial	Sash	Single Dial each	Code Word	Double Dial each	Code Word
No.	Size of Pan	No.	Size of Pan Diam. Depth							
1931	24"x30"x6"	1941	26" 5"	100 lbs.	10"	12"	\$33.50	Arceophon	\$40.00	Archabis
1932	24"x30"x6"	1942	26" 5"	100 lbs.	13"	15"	36.50	Arcesilas	46.50	Archaea
1933	24"x30"x6"	1943	26" 5"	120 lbs.	10"	12"	33.50	Arcesilaum	40.00	Archaeanax
1934	24"x30"x6"	1944	26" 5"	120 lbs.	13"	15"	36.50	Arcesius	46.50	Archaeolog
1935	24"x30"x6"	1945	33" 5"	150 lbs.	10"	12"	36.50	Arcessitos	43.00	Archaeum
1936	24"x30"x6"	1946	33" 5"	150 lbs.	13"	15"	40.00	Arcessitum	50.00	Archagete
1937	24"x30"x6"	1947	33" 6"	200 lbs.	13"	15"	40.00	Arcessivi	50.00	Archaical
1938	24"x30"x6"	1948	33" 6"	300 lbs.	13"	15"	44.00	Arceuthino	54.00	Archaique

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ESTABLISHED IN 1853



**MAIN OFFICES AND FACTORIES
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